

File 16:Gale Group PROMT(R) 1990-2006/Mar 13  
(c) 2006 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2006/Mar 10  
(c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2006/Mar 10  
(c) 2006 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2006/Mar 10  
(c) 2006 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2006/Mar 10  
(c) 2006 The Gale Group

File 635:Business Dateline(R) 1985-2006/Mar 11  
(c) 2006 ProQuest Info&Learning

File 570:Gale Group MARS(R) 1984-2006/Mar 10  
(c) 2006 The Gale Group

File 476:Financial Times Fulltext 1982-2006/Mar 14  
(c) 2006 Financial Times Ltd

File 477:Irish Times 1999-2006/Mar 13  
(c) 2006 Irish Times

File 710:Times/Sun.Times(London) Jun 1988-2006/Mar 13  
(c) 2006 Times Newspapers

File 711:Independent(London) Sep 1988-2006/Mar 13  
(c) 2006 Newspaper Publ. PLC

File 756:Daily/Sunday Telegraph 2000-2006/Mar 13  
(c) 2006 Telegraph Group

File 757:Mirror Publications/Independent Newspapers 2000-2006/Mar 13  
(c) 2006

File 387:The Denver Post 1994-2006/Mar 10  
(c) 2006 Denver Post

File 471:New York Times Fulltext 1980-2006/Mar 13  
(c) 2006 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

File 494:St LouisPost-Dispatch 1988-2006/Mar 12  
(c) 2006 St Louis Post-Dispatch

File 631:Boston Globe 1980-2006/Mar 10  
(c) 2006 Boston Globe

File 633:Phil.Inquirer 1983-2006/Mar 09  
(c) 2006 Philadelphia Newspapers Inc

File 638:Newsday/New York Newsday 1987-2006/Mar 12  
(c) 2006 Newsday Inc.

File 640:San Francisco Chronicle 1988-2006/Mar 12  
(c) 2006 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2006/Mar 13  
(c) 2006 Scripps Howard News

File 702:Miami Herald 1983-2006/Mar 10  
(c) 2006 The Miami Herald Publishing Co.

File 703:USA Today 1989-2006/Mar 10  
(c) 2006 USA Today

File 704:(Portland)The Oregonian 1989-2006/Mar 11  
(c) 2006 The Oregonian

File 713:Atlanta J/Const. 1989-2006/Mar 12  
(c) 2006 Atlanta Newspapers

File 714:(Baltimore) The Sun 1990-2006/Mar 13  
(c) 2006 Baltimore Sun

File 715:Christian Sci.Mon. 1989-2006/Mar 10  
(c) 2006 Christian Science Monitor

File 725:(Cleveland)Plain Dealer Aug 1991-2006/Mar 12  
(c) 2006 The Plain Dealer

File 735:St. Petersburg Times 1989- 2006/Mar 10

(c) 2006 St. Petersburg Times  
File 47:Gale Group Magazine DB(TM) 1959-2006/Mar 10  
(c) 2006 The Gale group

Set	Items	Description
S1	148826	GPS OR GLOBAL()POSITION?()SYSTEM? ?
S2	23060	(WIRELESS OR INFRARED OR RADIATION OR MOBILE)() (TRACK? OR NAVIGAT?) OR TRACK?() (DEVICE OR DEVICES OR APPARATUS OR TECHNOLOG?)
S3	8073	(DIRECTION? OR NAVIGAT?) (5N) (BAM OR BRICK(1W)MORTAR? OR (RETAIL OR DEPARTMENT)()STORE? ? OR RETAIL?)
S4	277792	(TRAVEL? OR DRIVING OR TRANSPORT?) (5N) (COST OR COSTS OR EXPENSE?)
S5	34423	(DIRECTION? OR ROUTE? ? OR ROUTING) (5N) ((BAM OR BRICK(1W)MORTAR? OR (RETAIL OR DEPARTMENT)()STORE? ? OR SHOP OR SHOPS OR STORE OR STORES OR RETAIL?))
S6	116212	(DRIVING OR TRANSPORTATION?) (5N)COST? ?
S7	7	AU=(NISHIWAKI, T? OR NISHIWAKI T? OR NISHIDA, M? OR NISHIDA M?)
S8	167453	S1 OR S2
S9	52	S8(S)S3
S10	5	S9(S) (S4 OR S5 OR S6)
S11	3	RD (unique items)
S12	3380	S8(S) (BAM OR BRICK(1W)MORTAR? OR (RETAIL OR DEPARTMENT)()STORE? ? OR RETAIL?)
S13	60	S12(S) (S4 OR S5 OR S6)
S14	58	S13 NOT S11
S15	37	S14 NOT PY>2001
S16	15	RD (unique items)
S17	0	S7(S)S8
		?

*Reviewed*

11/3,K/1 (Item 1 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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12163294 Supplier Number: 133379613 (USE FORMAT 7 FOR FULLTEXT)  
**Navicom GPS Testing Tracking and Motorcycle Recovery Unit With  
Harley-Davidson Dealership.**

PR Newswire, pNA  
June 20, 2005  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 448

... technology and expect significant sales from this market," said Keith Tench, President of Navicom.

Navicom GPS Motorcycle unit has three custom antenna options from three different manufacturers. The unit can be...

...when the motorcycle battery is getting low, speed notifications, and location of the motorcycle including **directions**. The **retail** price of the new unit will be less than \$595 and is available to be...

11/3,K/2 (Item 1 from file: 635)  
DIALOG(R) File 635:Business Dateline(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

2464385 442357981  
**Ultradata losses mount, changes accounting firm**  
Garrison, Chad  
St. Louis Business Journal v24n8 pA4  
Oct 31, 2003  
WORD COUNT: 419  
DATELINE: Olivette Missouri

TEXT:

...March the company rolled out Talking Road Whiz, a handheld device that gives verbal driving **directions**. The device **retails** for \$39.50. Ultradata was also to roll out its TravelStar 24, a GPS navigation aid, this year but has put the product's sale on hold due to...

11/3,K/3 (Item 1 from file: 702)  
DIALOG(R) File 702:Miami Herald  
(c) 2006 The Miami Herald Publishing Co. All rts. reserv.

12661139  
**BUSINESS BRIEFS**  
Miami Herald (MH) - Wednesday, June 9, 2004  
By: From Herald Wire Services  
Edition: Final Section: Business Page: 3C  
Word Count: 919

... cards and weighs only 3.6 ounces, Motorola said in a release. The phone has **Global Positioning System** technology, allowing for visual and audible driving **directions**.

The handset **retails** for about \$300, with a two-year service agreement. Motorola's Plantation facility is home...

**16/3,K/1 (Item 1 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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09265103 Supplier Number: 80630814 (USE FORMAT 7 FOR FULLTEXT)  
**Skytalk Communications Announces Name Change to SMO Multimedia Corporation.**  
Business Wire, p0104  
Dec 7, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 429

... throughout the United States. The E Stations replace traditional directories and include advanced systems for **retailers** and consumers alike. Through these E-Stations consumers can find **store directions**, product coupons, take part in mall loyalty point systems, make wish lists, and purchase gift...

...where Customers can shop at SMO's affiliate Internet sites such as TheGap.com (NYSE: GPS), and Esprit.com. Daily, new affiliates and features are added to the site. The kiosk (E-Station) technology provides unique search capabilities and software- **tracking technologies** that benefit the mall/airport developer, **retailer** and consumer. SMO is also providing other high traffic areas new multi media terminals that...

**16/3,K/2 (Item 2 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

09143992 Supplier Number: 79652355 (USE FORMAT 7 FOR FULLTEXT)  
**PurTest(R) Anthrax Test Orders Tally \$150,000.00.**  
PR Newswire, p0414  
Nov 2, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 580

... and NWCN in Seattle. The E Stations replace traditional directories and include advanced systems for, **retailers** and consumers alike. Through these E-Stations travelers/consumers can find **store directions** through a proprietary, dynamic mapping system. It also offers product coupons, mall loyalty point systems...

...com, and Esprit.com. The kiosk (E-Station) technology provides unique search capabilities and software- **tracking technologies** that benefit the mall/airport developer, **retailer** and consumer. SMO recently announced a merger with Skytalk Communications, Inc. (Pink Sheets: SKLK) and...

**16/3,K/3 (Item 3 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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09136504 Supplier Number: 79567542 (USE FORMAT 7 FOR FULLTEXT)  
**Shoppingmallonline.com to Market PurTest(R) Anthrax Test.**  
PR Newswire, p8358  
Oct 31, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade

Word Count: 620

... and NWCN in Seattle. The E Stations replace traditional directories and include advanced systems for **retailers** and consumers alike. Through these E-Stations travelers/consumers can find **store directions** through a proprietary, dynamic mapping system. It also offers product coupons, mall loyalty point systems...

...com, and Esprit.com. The kiosk (E-Station) technology provides unique search capabilities and software- **tracking technologies** that benefit the mall/airport developer, **retailer** and consumer. SMO recently announced a merger with Skytalk Communications, Inc. (Pink Sheets: SKLK) and...

**16/3,K/4 (Item 4 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)  
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09066130 Supplier Number: 79049174 (USE FORMAT 7 FOR FULLTEXT)  
**SMO Multimedia Uses Imagis Biometric Facial Imaging ID-2000; SMO to Install Biometrics in U.S. Airport Kiosks.**

Business Wire, p0478  
Oct 11, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 822

... and NWCN in Seattle. The E Stations replace traditional directories and include advanced systems for **retailers** and consumers alike. Through these E-Stations travelers/consumers can find **store directions** through a proprietary, dynamic mapping system. It also offers product coupons, mall loyalty point systems...

...can view or shop at SMO's affiliate Internet sites such as TheGap.com (NYSE: GPS ), and Esprit.com. The kiosk (E-Station) technology provides unique search capabilities and software- **tracking technologies** that benefit the mall/airport developer, **retailer** and consumer. The facial imaging market is growing significantly and companies like Imagis Technologies, and...

**16/3,K/5 (Item 5 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)  
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09016616 Supplier Number: 78558820 (USE FORMAT 7 FOR FULLTEXT)  
**SMO Multimedia To Deploy Units with Security And Safety Features For Airport Kiosks.**

Business Wire, p0347  
Sept 25, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 601

... throughout the United States. The E Stations replace traditional directories and include advanced systems for **retailers** and consumers alike. Through these E-Stations consumers can find **store directions**, product coupons, take part in mall loyalty point systems, make wish lists, and purchase gift...

...where Customers can shop at SMO's affiliate Internet sites such as TheGap.com (NYSE: **GPS** ), and Esprit.com. Daily, new affiliates and features are added to the site. The kiosk (E-Station) technology provides unique search capabilities and software- **tracking technologies** that benefit the mall/airport developer, **retailer** and consumer. SMO is also providing other high traffic areas new multi media terminals that...

**16/3,K/6 (Item 6 from file: 16)**  
DIALOG(R) File 16:Gale Group PROMT(R)  
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08973925 Supplier Number: 78019222 (USE FORMAT 7 FOR FULLTEXT)  
**SMO Multimedia and iNetShelves Sign Joint Venture Agreement Ahead of Impending Acquisition.**  
Business Wire, p0188  
Sept 10, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 755

... throughout the United States. The E Stations replace traditional directories and include advanced systems for **retailers** and consumers alike. Through these E-Stations consumers can find **store directions**, product coupons, take part in mall loyalty point systems, make wish lists, and purchase gift...

...where Customers can shop at SMO's affiliate Internet sites such as TheGap.com (NYSE: **GPS** ), and Esprit.com. Daily, new affiliates and features are added to the site. The kiosk (E-Station) technology provides unique search capabilities and software- **tracking technologies** that benefit the mall/airport developer, **retailer** and consumer. SMO is also providing other high traffic areas new multi media terminals that...

**16/3,K/7 (Item 7 from file: 16)**  
DIALOG(R) File 16:Gale Group PROMT(R)  
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08966230 Supplier Number: 77853329 (USE FORMAT 7 FOR FULLTEXT)  
**OUR MODE WILL BE I-MODE. (Japan's DoCoMo offers i-mode cellular service) (Industry Overview) (Statistical Data Included)**  
Shulman, Richard  
Supermarket Business, v56, n8, p17  
August 15, 2001  
Language: English Record Type: Fulltext  
Article Type: Industry Overview; Statistical Data Included  
Document Type: Magazine/Journal; Trade  
Word Count: 1877

... in real time, with dispatches given to the appropriate driver. If the truck has a **GPS** system, the stores can be notified of deviations in the delivery schedule as they become apparent, and changes in **routing** to accommodate **retail** needs can be directly communicated to the driver.

Field supervisors will receive their email wherever...

**16/3,K/8 (Item 8 from file: 16)**  
DIALOG(R) File 16:Gale Group PROMT(R)  
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08201046 Supplier Number: 68873890 (USE FORMAT 7 FOR FULLTEXT)  
M-Commerce Off to a Slow Start - Shopping via wireless devices hasn't  
caught on yet, but it will. (Industry Trend or Event)

O'Brien, Jim  
Computer Shopper, p62  
Feb 1, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 911

... based m-commerce is Vindigo, a free directory service for the Palm that finds restaurants, **retailers**, and movies in 13 cities. Once you tell the service where you are, it displays suggestions, with relevant content from providers such as the Zagat Guide. Ads for **stores** along your **route** appear as unobtrusive text links. Tap for directions, phone numbers, and offers. Vindigo now supports **GPS** add-ons so you don't have to tap out your location, and at press...

16/3,K/9 (Item 9 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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08032637 Supplier Number: 66798413 (USE FORMAT 7 FOR FULLTEXT)  
**FuelNation(TM)** Completed the Successful Installation and Demonstration of  
The R2R Technology in Record Time at the Bahrain National Oil Company.  
PR Newswire, p5794  
Nov 10, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 515

... system for the petroleum industry. The new technology allows multiple point of sales, tank monitors, **global positioning system**, VSAT, wireless PDA devices, Internet phones, automated teller machines, back office software, price signs and...

...seamlessly exchange data in an open architecture environment without installing software. FuelNation installs a proprietary **router** box connected to an existing **retail** and wholesale location and automates data collection processes centralized for a customer's retrieval and...

16/3,K/10 (Item 10 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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07974631 Supplier Number: 66577205 (USE FORMAT 7 FOR FULLTEXT)  
**FuelNation(TM)** Introduces R2R (Rack to Retail) Technology for the Petroleum Industry in the Middle East.  
PR Newswire, pNA  
Nov 3, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 534

... and transports, today announced it has officially introduced its flagship product, the FuelNation Rack to **Retail** ("R2R") complete fuel technology for the petroleum industry. The new technology allows multiple

point of sales, tank monitors, **global positioning system**, VSAT, wireless PDA devices, Internet phones, automated teller machines, back office software, price signs and...

...seamlessly exchange data in an open architecture environment without installing software. FuelNation installs a proprietary **router** box connected to an existing **retail** and wholesale locations and automates data collection processes centralized for a customer's retrieval and...

**16/3,K/11 (Item 11 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07807795 Supplier Number: 65237688 (USE FORMAT 7 FOR FULLTEXT)  
**MOBILE COMMUNICATIONS.**  
Truck Fleet Management, v78, n8, p58  
August, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 99

... use in food and beverage distribution; manufacturing; LTL; mixed truckload fleets; petroleum, gas and oil; **retail**; service; and utilities. Features include automatic vehicle tracking using integrated **GPS**, two-way data communications, optional fleet-controlled voice communication, data integration with **routing** and scheduling systems, **store -and-forward** message capabilities, and other optional features. The company says OmniExpress allows users to...

**16/3,K/12 (Item 1 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

14042446 SUPPLIER NUMBER: 80128332 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**SELLING HIGH-TECH: Grab A Fist-Full Of Profit With Today's Whiz-Bang Gadgetry!**  
Huntington, Roy  
Shooting Industry, 46, 10, 26  
Oct, 2001  
ISSN: 0037-4148 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1952 LINE COUNT: 00170

... have become simply part of the kit for many hunters and hikers. For around \$100 **retail**, your customer can plan their **route**, find their waypoints, locate their downed game animal, and direct their friends to find them...

**16/3,K/13 (Item 2 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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10470720 SUPPLIER NUMBER: 21146509 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Getting There Via Computer. (computerized mapping software) (Evaluation)**  
Woods, Lynn  
Nation's Business, v86, n10, p38(1)  
Oct, 1998  
DOCUMENT TYPE: Evaluation ISSN: 0028-047X LANGUAGE: English

RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2464 LINE COUNT: 00190

TEXT:

...throughout the country and 1,000 Avis cars in Florida are equipped with in-vehicle **global positioning system**, or **GPS**, navigation, available for around \$6 extra per day. A small antenna on the back of...says more-sophisticated versions of the system found in many rental cars are available in **retail stores** and as options on some new cars.) In spite of a few drawbacks, the system...

16/3,K/14 (Item 3 from file: 148)  
DIALOG(R) File 148:Gale Group Trade & Industry DB  
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05858346 SUPPLIER NUMBER: 12118428 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Where do we go from here? (the in-car navigation market) (includes article on Sony and Trimble Navigation hand-held global positioning systems)**  
Sawyer, Christopher A.  
Automotive Industries, v172, n4, p59(2)  
April, 1992  
ISSN: 0273-656X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 996 LINE COUNT: 00075

... see a few good hand-held systems out there."  
In-car units like the Blaupunkt **TravelPilot** **retail** for \$2495 (additional maps **cost** \$149.95 each), but are not yet available nationwide. With installation, says David A. Pankonin, Project Manager, Navigation for Blaupunkt, "that price is closer to \$3000. The **GPS** unit will be added as an option to the basic system in the future."  
Once...

16/3,K/15 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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02432076 SUPPLIER NUMBER: 65161521 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Building on Shaky Ground. (Win Letter 96) (News Briefs)**  
Rosenbaum, Dan  
WinMag.com, NA  
August 4, 2000  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1909 LINE COUNT: 00144

TEXT:

...is charging \$3.99 for a single and \$17.98 for a full disc. Full **retail**. There are no liner notes, no cover art, no lyrics. The files will be in...

...giant's first Bay Area store. Somehow, IKEA could never quite get it together online. **Store directions**? Sure. Assembly instructions? Absolutely. But actually buying the stuff remained in the analog domain. Starting...found. 933s are available, mostly in grey-market OEM versions in Socket 370 packaging. A **retail**-boxed 933 with Slot 1 packaging costs about \$740 -- \$100 more than an OEM Socket...

...they can fill the channel, which they've been having trouble doing lately. A Tiny **GPS** Receiver I love the idea of **GPS** and a

portable computer. The reality is usually less wonderful. I know it seems churlish to complain, but **GPS** units are just too bulky and heavy, compared to sleek handheld computers. But a bunch...

...have come up with what they're calling the iGPS-180. It is a teeny **GPS** receiver -- about 2 inches square and 1 inch high, weighing less than 2.5 ounces...

...cable, drawing power from the port. The specs indicate that it's a serious, fast, **GPS** unit. The 9-pin adapter indicates that the iGPS-180 is suited for a laptop...

?

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office  
File 347:JAPIO Nov 1976-2005/Nov(Updated 060302)  
(c) 2006 JPO & JAPIO  
File 350:Derwent WPIX 1963-2006/UD,UM &UP=200617  
(c) 2006 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2006/MAR  
File 349:PCT FULLTEXT 1979-2006/UB=20060309, UT=20060302  
(c) 2006 WIPO/Univentio  
File 331:Derwent WPI First View UD=200616  
(c) 2006 Thomson Derwent  
File 351:Derwent WPI 1963-2006/UD,UM &UP=200617  
(c) 2006 Thomson Derwent  
File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	321604	GPS OR GLOBAL()POSITION?()SYSTEM? ?
S2	12119	(WIRELESS OR INFRARED OR RADIATION OR MOBILE) () (TRACK? OR - NAVIGAT?) OR TRACK?() (DEVICE OR DEVICES OR APPARATUS OR TECHNOLOG?)
S3	188	(DIRECTION? OR NAVIGAT?) (5N) (BAM OR BRICK(1W)MORTAR? OR (RETAIL OR DEPARTMENT) ()STORE? ? OR RETAIL?)
S4	27532	(TRAVEL? OR DRIVING OR TRANSPORT?) (5N) (COST OR COSTS OR EXPENSE?)
S5	10518	(DIRECTION? OR ROUTE? ? OR ROUTING) (5N) ((BAM OR BRICK(1W)MORTAR? OR (RETAIL OR DEPARTMENT) ()STORE? ? OR SHOP OR SHOPS OR STORE OR STORES OR RETAIL?))
S6	15286	(DRIVING OR TRANSPORTATION?) (5N)COST? ?
S7	5821	AU=(NISHIWAKI, T? OR NISHIWAKI T? OR NISHIDA, M? OR NISHIDA M?)
S8	332883	S1 OR S2
S9	26	S8 AND S3
S10	15	S9 AND (S4 OR S5 OR S6)
S11	11	S9 NOT S10
S12	6	S11 AND IC=G06F
S13	21	S7 AND S8
S14	4	S13 AND IC=G06F

*Reviewed*

10/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS

01704417

Information distribution service system based on predicted changes in  
location of mobile information terminal

System fur einen Informationsverteildienst basierend auf eine vorhergesagte  
Aenderung eines Aufenthaltsortes eines mobilen Informationsendgerats

Systeme de service de distribution d'information base sur des changements  
predit d'un lieu d'emplacement d'un terminal d'information mobile

PATENT ASSIGNEE:

FUJITSU LIMITED, (211463), 1-1, Kamikodanaka 4-chome, Nakahara-ku,  
Kawasaki-shi, Kanagawa 211-8588, (JP), (Applicant designated States:  
all)

INVENTOR:

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Kawasaki-shi Kanagawa 211-8588, (JP)

Murakami, Norio, Fujitsu Limited, 1-1, Kamikodanaka 4-chome Nakahara-ku,  
Kawasaki-shi Kanagawa 211-8588, (JP)

LEGAL REPRESENTATIVE:

HOFFMANN - EITLE (101511), Patent- und Rechtsanwalte Arabellastrasse 4,  
81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1397012 A2 040310 (Basic)

APPLICATION (CC, No, Date): EP 2003018764 030827;

PRIORITY (CC, No, Date): JP 2002257813 020903

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): H04Q-007/22; H04L-012/28

ABSTRACT WORD COUNT: 148

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200411	971
SPEC A	(English)	200411	16524
Total word count - document A			17495
Total word count - document B			0
Total word count - documents A + B			17495

...SPECIFICATION basic sequence shown in an information-providing service  
for a user terminal functioning as a **GPS** terminal;

Fig. 33 is a diagram showing a basic sequence shown in an  
information-providing service for a user terminal functioning as a non-  
**GPS** terminal;

Fig. 34 is a diagram showing a user-registration screen of a user  
terminal...

...of the user terminal 6#i in case the user terminal 6#i is a **GPS** (Global  
Positioning System)-function terminal. Request a mobile-communication  
operator to inform the computer system...

...the user terminal 6#i in case the user terminal 6#i is a non- **GPS**  
-function terminal. (iii): Display information received from the computer  
system 2 and transmits a response...

...be more specific, Fig. 4(a) is a block diagram showing functions of a  
non- **GPS** user information terminal while Fig. 4(b) is a block diagram

showing functions of a **GPS** user information terminal. The non-**GPS** user terminal's configuration elements essentially identical to those of the **GPS** user terminal are denoted by the same reference numerals as their counterparts in the **GPS** user terminal. As shown in Fig. 4(a), the non-**GPS** user information terminal comprises a CPU 80, an execution processing unit 82, a radio-communication...

...unit 92 and an information display execution processing unit 94. On the other hand, the **GPS** user information terminal comprises a **GPS**-apparatus unit 100 in addition to the non-**GPS** user information terminal as shown in Fig. 4(b).

Fig. 5 is a block diagram...basic sequence shown in an information-providing service for a user terminal functioning as a **GPS** terminal. Fig. 33 is a diagram showing a basic sequence shown in an information-providing service for a user terminal functioning as a non-**GPS** terminal.

Fig. 34 is a diagram showing a user-registration screen of a user terminal...

...screen shown in Fig. 47 are displayed.

#### (5): Location Inference

##### (a): Location Inference for a **GPS** Terminal

When the user operates the user terminal 6#i to specify a SERVICE button...

...flowchart shown in Fig. 18, a judgment is formed to determine whether or not a **GPS** function is embedded. If a **GPS** function is embedded, the flow of the processing goes on to a step S302. If a **GPS** function is not embedded, on the other hand, the flow of the processing goes on to a step S306.

At the step S302, the **GPS**-apparatus unit 100 shown in Fig. 4 measures its own location. Then, at the next...

...the information in the user-location information history database 182.

##### (b): Location Inference for Non-**GPS** Terminal

Much like a **GPS** terminal, a non-**GPS** terminal makes a request for a start of a service as indicated by an arrow (200) of the basic sequence shown in Fig. 33. In the case of a non-**GPS** terminal, however, location information is reported to the computer system 2 by requesting the mobile ...of the first embodiment, user terminals 6#1 and 6#3 are each a non-**GPS** terminal whereas a user terminal 6#2 is a **GPS** terminal. The user of the user terminal 6#2 desires information on shopping such as...

...on areas is virtually the same as the information provided by the information provider.

#### (1) : **GPS** User Terminal 6#2

In the case of a **GPS** user terminal, a service is rendered in accordance with the sequence shown in Fig. 32. The user of the **GPS** user terminal 6#2 desires presentation of information on shopping. The computer system 2 derives an inference formula for predicting a moving destination from location information of the **GPS** user terminal 6#2 by adoption of the inference mechanism described earlier.

Fig. 54 is...

...the least-square method described above and in accordance with the location of the **GPS** user terminal 6#2. Then, pieces of detailed

information for the information category specified by the **GPS** user terminal 6#2 are transmitted in a distribution order. The detailed information includes the...

...pertain to the information category, which is the shopping-information category in this case. The **GPS** user terminal 6#2 displays the detailed information on a screen like one shown in...

...coupon and information on buying at a bargain are also distributed as well.

(2): Non- **GPS** User Terminal 6#1

In the case of a non- **GPS** user terminal, a service is rendered in accordance with the sequence shown in Fig. 33. The user of the non- **GPS** user terminal 6#1 desires presentation of information on areas such as information on traffic...

...derives an inference formula for predicting a moving destination from location information of the non- **GPS** user terminal 6#1, which is location information received via the mobile-communication operator. The ...

...traffic and information on accidents in accordance with the information category desired by the non- **GPS** user terminal 6#1. The area is an area surrounding the location of the non- **GPS** user terminal 6#1. The location of the non- **GPS** user terminal 6#1 is predicted by using the enterprise formula. The non- **GPS** user terminal 6#1 displays the detailed area information on a screen like the one...within a distance of not longer than 1 km from the user in the moving **direction**. If a **department store** is selected as a candidate for the destination, an expected time of arrival at the...

10/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS

01414926

Vehicle navigation system with stereoscopic display  
Fahrzeugnavigationssystem mit stereoskopischer Anzeige  
Système de navigation véhiculaire à affichage stéréoscopique  
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designated States: all)

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PATENT (CC, No, Kind, Date): EP 1195578 A2 020410 (Basic)  
EP 1195578 A3 030423

APPLICATION (CC, No, Date): EP 2001308367 011001;

PRIORITY (CC, No, Date): JP 2000303686 001003

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS (V7): G01C-021/36; G02B-027/22  
ABSTRACT WORD COUNT: 114

NOTE:

Figure number on first page: 9

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200215	1571
SPEC A	(English)	200215	8661
Total word count - document A			10232
Total word count - document B			0
Total word count - documents A + B			10232

...SPECIFICATION as carried by persons have been proposed as navigation systems with the help of a **GPS** (global positioning system).

Such a moving object navigating apparatus is designed for receiving wave signals from **GPS** satellites to find its position and monitoring a map data of the position read out...

...navigating apparatus disclosed in the above Publication will be explained referring to Fig. 14. A **GPS** unit 125 receives a wave signal from a **GPS** satellite 127 and calculates its position from the signal. A position data about the current...

...bus 121 to a control unit 102.

In response to the position data from the **GPS** unit 125, the control unit 102 reads out its relevant image data (for example, a...drawing section 7.

The current position acquiring section 2 operates a positioning system such as **GPS** or gyro compass mounted in the vehicle for receiving the current position data. The current...

...type and name of facilities, landmarks, and buildings, e.g. "Bank of 000" and "XXX **department Store**", and the **directional** data, e.g. "Turn right at crossroads". Shown in Fig. 2 are the name of...

10/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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01264179 \*\*Image available\*\*

TECHNIQUES FOR IDENTIFYING AND COMPARING LOCAL RETAIL PRICES

TECHNIQUES D'IDENTIFICATION ET DE COMPARAISON DE PRIX DE DETAIL LOCAL

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200569871 A2 20050804 (WO 0569871)  
Application: WO 2005US1258 20050111 (PCT/WO US05001258)  
Priority Application: US 2004536979 20040115  
Designated States:  
(All protection types applied unless otherwise stated - for applications 2004+)  
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL  
PT RO SE SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 30415

Fulltext Availability:  
Detailed Description

Detailed Description  
... search results by nearest store location  
Link to the Cairo Store Locator to find local **stores** and get **directions** Drill down to see all results for a specific retailer (that match the search terms...)

...search results by ascending/descending price  
Link to the Cairo Store Locator to find local **stores** and get **directions** Link to the **retailer**'s website to view a larger ad image and/or shop online  
Page through additional...manufacturer coupons. In addition, banner ads from manufacturers may be displayed to highlight their products.

#### **Store Locator and Directions**

Cairo is focused on helping consumers find the best prices and deals at their local...

...Cairo store locator (e.g., see Fig.

28) further helps consumers by providing maps and **directions** to nearby **stores** based on a zip code or from a street address. The Cairo store locator is...

...the nearest local store as part of the search results. The consumer may easily get **directions** or find other local **stores** by linking from Cairo Search to the Cairo store locator. The store locator is also...  
...ads from one or more specific retailers may be displayed when the consumer asks for **directions** to a particular **store**.

#### **Getting Directions**

The consumer may get directions from their current location to any store by following a...

...ultimately get the best price.

The Cairo Store Locator allows consumers to find and get **directions** to any local **store** based upon a zip code or street address. Retailers may use Cairo's sponsored ads...

...labels or product packaging to initiate price comparison requests.

Mobile devices will more frequently be GPS enabled in the near future.  
Knowing the location of the cell phone user further enhances...

...but provides directions based on the current location of the cell phone.  
Likewise, knowing the GPS location allows current store location to be  
defaulted when requesting price comparisons.

The combination of...

10/3,K/4 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01174145 \*\*Image available\*\*  
METHOD AND SYSTEM FOR PROVIDING LOCATION SENSITIVE BUSINESS INFORMATION TO  
CUSTOMERS  
PROCEDE ET SYSTEME POUR FOURNIR A DES CLIENTS DES INFORMATIONS COMMERCIALES  
QUI VARIENT EN FONCTION DU LIEU

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200497665 A1 20041111 (WO 0497665)

Application: WO 2004CA625 20040428 (PCT/WO CA04000625)

Priority Application: US 2003465679 20030428; US 2003474403 20030602

Designated States:

(All protection types applied unless otherwise stated - for applications  
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO  
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11670

Fulltext Availability:  
Detailed Description

Detailed Description

... business of interest has been chosen, the customer must use a map, or call the **retailer** or business again to get **directions**. In certain cases, the **retailer** or business will be located a significant distance away from the customer's residence or...

...to the cell site to which the phone is currently connected, a global positioning system ( **GPS** ), or an assisted **GPS** (AGPS) that uses a combination of cell site and **GPS** to establish location. If desired, many of these components can be standardized as telecommunication companies...for example, mappings from IP addresses to physical locations, reverse white pages, reverse yellow pages, **GPS**, AGPS, cellular phone site identification, location, and the like). All of this information can be...

10/3,K/5 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
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01168945

OBTAINING PRODUCT ITEM ASSISTANCE  
OBTENTION D'ASSISTANCE CONCERNANT UN PRODUIT

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200490803 A1 20041021 (WO 0490803)

Application: WO 2004AU437 20040402 (PCT/WO AU04000437)

Priority Application: AU 2003901617 20030407; AU 2003901795 20030415

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO  
SE SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 123002

Fulltext Availability:

Detailed Description

Detailed Description

... dynamic hierarchy of packaging, shipping and transportation units, each identified by its own unique EPC. Tracking of higher-level units through the supply chain implicitly support the tracking of lower-level ...at least one scanning beam, the scanning beam being directed in first and second orthogonal directions to thereby generate a raster scan pattern over a scanning patch, the scanning patch being...

10/3,K/6 (Item 4 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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01130205 \*\*Image available\*\*

**HYDROGEN STORAGE, DISTRIBUTION, AND RECOVERY SYSTEM**  
**SYSTEME DE STOCKAGE, DE DISTRIBUTION ET DE RECUPERATION D'HYDROGENE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200450798 A2-A3 20040617 (WO 0450798)

Application: WO 2003US38452 20031203 (PCT/WO US03038452)

Priority Application: US 2002310498 20021204

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AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW (EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 38963

Fulltext Availability:

Detailed Description

Detailed Description

... into a hydrogen recovery system.

Advantages of the cassette system include safety, ease of use, cost-effectiveness, reliable and transportability. The cassettes, the hydrogen storing material, and the hydrogen recovery systems may be designed in...access the network from a mobile network access device

enabled with a geographic positioning system ( **GPS** ) and provide geographic location data to the network and request and receive a location of...stations hydrogen may be purchased. For example, the retail station may provide a map or **directions** to another hydrogen **retail** station of potential interest to the user.

Although not shown, in some embodiments of the...

10/3,K/7 (Item 5 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01124845 \*\*Image available\*\*

**INTERACTIVE TOUCH SCREEN LOCATOR AND GUIDE**

**LOCALISATEUR ET GUIDE A ECRAN TACTILE INTERACTIF**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200446747 A2-A3 20040603 (WO 0446747)

Application: WO 2003US36457 20031113 (PCT/WO US03036457)

Priority Application: US 2002426218 20021114; US 2003712556 20031112

Designated States:

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4872

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... have been commercially available for several years.

Additionally, way point routing with Global Positioning System ( **GPS** )  
assistance has recently been successfully employed in automobiles to aid  
drivers in **navigation**. However, **retail** and wholesale establishments  
still rely on antiquated static maps to provide consumers with general  
guidance...

...on the purchase list 1 00, the computer 202 can then determine the most  
efficient **route** through the **store** for the consumer to take in order  
to gather the desired items. Additionally, the user...

...system usage and other similar information .

1.5 [00231 In addition to providing location and **routing** information regarding items in the **store**, the system can also provide the customer with coupons related to items in the store...

...then provide the consumer with a list of suggested complementary items and their locations within the **store**. Supplemental **routing** through the **store** can then be determined such that the consumer can retrieve the desired items in an...

...together with a map indicating the locations of each of the items and a proposed **route** through the **store**.

[0029] The proposed **route** through the **store** need not be based on the shortest path through the store, but can be designed...

...embodiments, the step may not be included.

[0046] Step 728 is the step of determining **routing** within the **store**. This step can be performed in any known and/or convenient manner. The **routing** step...

#### Claim

... 2. The location system of claim 1 further comprising a system for determining an efficient **routing** path through said **store**.

3 The location system of claim I wherein said system device is capable of providing...

10/3,K/8 (Item 6 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01122156 \*\*Image available\*\*

METHOD AND APPARATUS FOR DYNAMIC RULE AND/OR OFFER GENERATION

PROCEDE ET DISPOSITIF DE GENERATION DE REGLES ET/OU D'OFFRES DYNAMIQUES

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2002US36351 20021112 (PCT/WO US02036351)

Priority Application: WO 2002US36351 20021112

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG  
SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 30255

Fulltext Availability:

Detailed Description

Detailed Description

... algorithms fall into two categories: supervised and unsupervised.

The supervised methods are known as Bi- **directional** Associative Memory ( **BAM** ), ADALINE and Backward propagation. These approaches all begin by training the networks with input examples...

...technique for automatically creating computer programs to solve problems. While GAs search a solution space, GPs search the space of computer programs. New programs can be tested for fitness to achieve...

10/3,K/9 (Item 7 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01017599

TUMOR ENDOTHELIAL MARKER 5 MOLECULES AND USES THEREOF  
MOLECULES DU MARQUEUR ENDOTHELIAL TUMORAL 5 ET UTILISATION ASSOCIEE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200346127 A2 20030605 (WO 0346127)

Application: WO 2002US35662 20021107 (PCT/WO US0235662)

Priority Application: US 2001350245 20011107

Parent Application/Grant:

Related by Continuation to: US 2002350245 20021107 (CON)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 33863

Fulltext Availability:  
Detailed Description

Detailed Description

... domain (indicated as domain B in Fig. 3), a G-protein coupled receptor proteolytic site ( GPS ) domain (indicated as domain ...98113) containing the lux promoter and a gene - 76 encoding kanamycin resistance is digested with Bam HI and Nde I for directional cloning of inserted DNA. The ligated mixture is transfected into an E. coli host...

10/3,K/10 (Item 8 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00914770 \*\*Image available\*\*

INQUIRY RESPONSE SYSTEM AND METHOD  
SYSTEME ET PROCEDE DE REPOSE A UNE REQUETE

Patent Applicant/Assignee:

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Legal Representative:

BEESON Donald L (agent), Suite 2360, One Kaiser Plaza, Oakland, CA 94612,  
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200248896 A1 20020620 (WO 0248896)

Application: WO 2001US49271 20011217 (PCT/WO US0149271)

Priority Application: US 2000255800 20001215

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12534

Fulltext Availability:

Detailed Description

Detailed Description

... or an audio clip and/or description of an advertisement, or a listing of or directions to the closest retail outlets for an advertised product or service to which the inquiry pertains. It is also...the user has a mobile phone or other wireless device with a global positioning system ( GPS ) transceiver, the IVR can retrieve the user's coordinates via the GPS transceiver to determine the location of the closest ABC Record store. The IVR system can...

...a manner similar to the examples given above. The IVR could also give the user **directions** to the nearest ABC Record **store**.  
Each of the foregoing illustrative examples contemplates that the supplier of the goods or services...

10/3,K/11 (Item 9 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

00910207 \*\*Image available\*\*  
CONTINUOUS PRODUCTION AND PACKAGING OF PERISHABLE GOODS IN LOW OXYGEN ENVIRONMENTS  
PROCEDE DE PRODUCTION ET D'EMBALLAGE DE PRODUITS PERISSABLES DANS UNE ATMOSPHERE PAUVRE EN OXYGENE

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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STEPHENSONS Robert M, Barton Hall South Wing, Dunstall Road, Barton Under Needwood DE13 8AX, GB, GB (Residence), GB (Nationality), (Designated only for: US)

ATKINSON Kevan J, 200 Badminton Road, Coalpit Heath, Bristol BS36 2ST, GB , GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200244026 A1 20020606 (WO 0244026)

Application: WO 2001US45146 20011128 (PCT/WO US0145146)

Priority Application: US 2000724287 20001128; US 2000255684 20001213; US 2001286688 20010426; US 2001291872 20010517; US 2001299240 20010618; US 2001312176 20010813; US 2001314109 20010821; US 2001323629 20010919; US 2001335760 20011019

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 197091

Fulltext Availability:

Claims

Claim

... apparatus designed to slice meat while conditioning in an oxygen free environment is shown. The **apparatus** is shown in diagrammatic form and includes a continuous conveyor 4700, with a driver mounted...

10/3,K/12 (Item 10 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

00876811 \*\*Image available\*\*

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR DEVICE, OPERATING SYSTEM,  
AND NETWORK TRANSPORT NEUTRAL SECURE INTERACTIVE MULTI-MEDIA MESSAGING  
SISTÈME, PROCÉDÉ ET PRODUIT PROGRAMME D'ORDINATEUR POUR APPAREIL, SISTÈME  
D'EXPLOITATION ET MESSAGERIE MULTIMÉDIA INTERACTIVE RÉSEAU, NEUTRE ET  
SÉCURISÉE

Patent Applicant/Assignee:

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Legal Representative:

ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & Herbert  
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200210962 A1 20020207 (WO 0210962)  
Application: WO 2001US23713 20010727 (PCT/WO US0123713)  
Priority Application: US 2000627357 20000728; US 2000627358 20000728; US  
2000627645 20000728; US 2000628205 20000728; US 2000706606 20001104; US  
2000706609 20001104; US 2000706610 20001104; US 2000706611 20001104; US  
2000706612 20001104; US 2000706613 20001104; US 2000706614 20001104; US  
2000706615 20001104; US 2000706616 20001104; US 2000706617 20001104; US  
2000706621 20001104; US 2000706661 20001104; US 2000706664 20001104; US  
2001271455 20010225; US 2001912715 20010725; US 2001912936 20010725; US  
2001912905 20010725; US 2001912773 20010725; US 2001912885 20010725; US  
2001912860 20010725; US 2001912941 20010725; US 2001912901 20010725; US  
2001912772 20010725

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 169299

Fulltext Availability:

Detailed Description

Detailed Description

... follow these steps.

1. Visit our Toys & Video Game's store at [hftp://www.on-line retailer.com/toys](http://www.on-line_retailer.com/toys).

2. Select the items you want. Please use our Shopping Cart rather  
1...billboard, a gasoline pump, a vending machine, an instructional

appliance, an automobile display device, a GPS system, a point-of-sale display, and the like. Story enabled client 336 starts life...of-sale displays, gasoline pump, vending machine, instructional appliance, automobile display device, global positioning system (GPS), point-of-sale display, and myriad of other device types are supported. In fact, a...billboard, a gasoline pump, a vending machine, an instructional appliance, an automobile display device, a GPS system, a point-of-sale display, and the like. Story enabled client 336 starts life...

10/3,K/13 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

00849619 \*\*Image available\*\*  
**METHOD AND APPARATUS FOR DIET CONTROL**  
**PROCEDE ET APPAREIL PERMETTANT DE CONTROLER SON ALIMENTATION**

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Patent Applicant/Inventor:

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Legal Representative:

WATHEN Douglas L (agent), Gifford, Krass, Groh, Sprinkle, Anderson &  
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48009, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200182783 A2-A3 20011108 (WO 0182783)

Application: WO 2001US13928 20010430 (PCT/WO US0113928)

Priority Application: US 2000200428 20000428

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10975

Fulltext Availability:

Detailed Description  
Claims

Detailed Description

... module for a conventional PDA can be supplied, comprising a position locator (such as a GPS, or wireless triangulation method), wireless transceiver, and software configured to implement embodiments of the present...a generic item with average properties.

A portable computing device equipped with global positioning system (GPS) can be used to display the current position of the user and directions to proximate...

...ones with menu offerings consistent with the user's dietary

requirements. A global positioning system ( **GPS** ) chip may be included in the PDA to assist in the identification of the restaurant...with the food preference, and transmitting food retail location data (such as restaurant addresses or **GPS** coordinates) to the person. Food retail locations transmitted are those supplying food with nutritional data... portable computing device may further comprise a positioning device, such as a global positioning unit ( **GPS** ), so as to allow identification of the restaurant from the location of the user. An...

...food) is as follows. The position of the user is determined, for example using a **GPS** , and food preferences of the user are determined, either from previously entered data or firorn...clock 26, a display 28, a wireless transceiver 30, a position locator (such as a **GPS** module) 32, and a data entry mechanism 34. The display 28 of the PDA 20...

...to show a menu listing, nutritional information, a rnap showing the location of the food **retailer** and the user, 5 **directions** , ordering information, preparation request options to accompany an order (such as broil/fry/bake), and...as key entry, mouse use, stylus, roller jou dial, touch pad, or use of other **tracking device** .

Voice recognition can also be used to select items. The words displayed to the user...with the user's present or future location. For example, the PDA may have a **GPS** system allowing the location of the user to be established, and hence correlated with the...user profile database 316.

As a person enters the restaurant, location data provided by the **GPS** unit 300 is transmitted over the communications network 304 to the server system 306. The identity of the restaurant is determined from comparison of the location data provided by the **GPS** system with data within the restaurant location database 312.

Alternatively, the user may simply enter...

...user entering a restaurant. Box 352 corresponds to the user establishing their location using a **GPS** signal.

Alternatively, the name, address, branch number, or similar location data can be used.

Box...portable electronic device having a wireless transceiver and a position location device such as a **GPS** . The server 5 computer correlates the location data with a restaurant identity, and transmits the...

...preferences. Figure I I shows a system embodiment of this example. The system comprises a **GPS** module 400 providing location data to a portable computer 402. The **GPS** module and portable computer may form a unitary device. The portable computer is in cornmunication...

...restaurant database 410 and the second server has communication with user preference database 412. The **GPS** module provides the location data to the PDA, which then transmits the location data to...allow approved meals to be provided.

In one example, the user carries a PDA with **GPS** capability. When wanting to eat, the user presses a button, so as to transmit location...

Claim

... with the food preference.

9 The method of claim 8, further comprising the transmission of  
**directions** to the food **retail** location to the person.

10 A system for allowing a person to obtain nutritional information...

10/3,K/14 (Item 12 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00767494 \*\*Image available\*\*

MOBILE NAVIGATION

**SYSTEME DE NAVIGATION MOBILE**

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200101077 A1 20010104 (WO 0101077)

Application: WO 2000SE1339 20000622 (PCT/WO SE0001339)

Priority Application: SE 992418 19990624

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

EE LT LV NO

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 4516

MOBILE NAVIGATION

Fulltext Availability:

Detailed Description

Detailed Description

**MOBILE NAVIGATION**

TECHNICAL FIELD

The present invention relates to, at a wireless communications system, from a service...shown on the map, the terminal should also be equipped with positioning system (for instance **GPS**). Icons (32) for the information objects are accessible on a communications network, for instance Internet...object. geo-code A way to present coordinates for showing of objects on a map.

**GPS** Global Positioning System

GSM Global System for Mobile Communication

Cellular mobile telephone system.

HTTP Hyper...traveller who is utilising the navigation list.

Examples of navigation objects can be restaurants, roadwork, navigation information, cash dispensers, department stores, things worth seeing, and motor road junctions, etc.

In said table is then generated, in...

...interested party has stored information about the information object, for instance information about a restaurant, shop, or alternative route.

The information object may just as well relate to, for instance, a public authority, at...an ordinary, portable computer), which should best be equipped with functionality for positioning (for instance GPS) and access to Internet, for instance via 25 telephone, preferably mobile telephone, for instance GSM...

10/3,K/15 (Item 13 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00761424  
A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE

Patent Applicant/Assignee:

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Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073930 A2 20001207 (WO 0073930)  
Application: WO 2000US14458 20000524 (PCT/WO US0014458)  
Priority Application: US 99321360 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ  
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE  
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149456

Fulltext Availability:

## Detailed Description

### Detailed Description

... 0 Window and report design standards  
0 Naming standards for design objects and documents  
a **Navigation** standards  
0 Standards that specify the design techniques to use  
0 Documentation standards that specify...the teams involved. In order to keep all teams updated and moving in the same **direction**, regular (for example, weekly) conference calls between all parties - chaired by project management - is much...used to pass the list of components to migrate. The Problem Management system can keep **track** of the migration date obtained from the Migration Control system.

\* Design Repository - An impact analysis...Remote testing enables developers to test a large number of users efficiently and without incurring **travel expenses**.

### Reverse Engineerin (130)

Reverse engineering tools are used to capture specific, relevant functional and design...

?

12/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS

01406255

Method and system for encrypted distribution of geographic data for  
navigation systems

Verfahren und System zum verschlüsselten Verteilung von geographischen  
Daten für Navigationssystemen

Procede et système pour la distribution de données géographiques chiffrées  
pour systèmes de navigation

PATENT ASSIGNEE:

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Suite 900, Chicago, Illinois 60654, (US), (Applicant designated States:  
all)-

INVENTOR:

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(US)

LEGAL REPRESENTATIVE:

McLeish, Nicholas Alistair Maxwell et al (74621), Boult Wade Tennant  
Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)

PATENT (CC, No, Kind, Date): EP 1189409 A2 020320 (Basic)

APPLICATION (CC, No, Date): EP 2001307949 010918;

PRIORITY (CC, No, Date): US 663891 000918; US 663892 000918; US 663893  
000918

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04L-029/06; G06F-001/00

ABSTRACT WORD COUNT: 176

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200212	1055
SPEC A	(English)	200212	20504
Total word count - document A			21559
Total word count - document B			0
Total word count - documents A + B			21559

...INTERNATIONAL PATENT CLASS (V7): G06F-001/00

...SPECIFICATION physical location in a geographic regional area. For example, the positioning system may employ a GPS -type system (global positioning system), a "dead reckoning"-type system, or combinations of these, or...invention also provides a navigation system with decryption functions. The navigation system may include a GPS receiver for receiving location coordinates, and a display or other means for presenting map information...storage medium.

Advantageously the data comprises geographic data. Preferably the navigation system further comprises a GPS receiver for receiving location coordinates; means for presenting map information; and a second routine executable...and longitude, distance and heading, or other suitable parameters. Positioning system 72 may comprise a GPS receiver, the arrangement and operation of which are well known to those skilled in the...

...Positioning system 72 also preferably includes an antenna 78 or other such device for receiving GPS positioning signals from satellites or

for receiving position information from other types of entities.

Data...or rented by car dealerships as optional or standard equipment in vehicles. As another example, **retail stores** may sell dedicated **GPS** -based **navigation** devices to users. As still another example, vendors may sell or otherwise provide software navigation...

...portable data storage device 22 as well. As another example, when a user buys a **navigation** system at a **retail** outlet, the system may also include a portable data storage device 22. Alternatively, the user...for example, the navigation system may determine whether the current date (as provided by the **GPS** positioning system, for instance) falls within the date range specified in the authorization key and...

12/3,K/2 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00846384 \*\*Image available\*\*  
NAVIGATION SERVER FOR USE WITH A WIRELESS WEB ACCESS DEVICE HAVING A NAVIGATION CONTROL UNIT  
SERVEUR DE NAVIGATION UTILISE DANS UN DISPOSITIF SANS FIL D'ACCES AU WEB POURVU D'UNE UNITE DE COMMANDE DE NAVIGATION

Patent Applicant/Assignee:

SECO MOBILE INC, Suite 200, 845 Malcolm Boulevard, Burlingame, CA 94010, US, US (Residence), US (Nationality), (For all designated states except: US)

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RINI William, 13934 Bora Bora Way #216, Marina del Rey, CA 90292, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

DALEY-WATSON Christopher J (et al) (agent), Perkins Coie LLP, P.O. Box 1247, Seattle, WA 98111-1247, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200180091 A2-A3 20011025 (WO 0180091)

Application: WO 2001US12183 20010413 (PCT/WO US0112183)

Priority Application: GB 20009004 20000413

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17391

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... would be sent to the e-commerce web page requesting to purchase a product. A **retailer** could sell **navigation** control units 120 that contained a user control 122 programuned to Purchase, say, the book... units 120. In one embodiment, a pariner computer 1020 represents a computer used by a **retailer** that sells or distributes multiple **navigation** control units 120 that are similarly configured. In another embodiment,, no partner computers 102'0...the navigafion control device

12/3,K/3 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00846382 \*\*Image available\*\*

METHOD AND SYSTEM FOR A INTERNET NAVIGATION CONTROL UNIT FOR USE WITH A WIRELESS ACCESS DEVICE

LOGICIEL POUR UNITE DE COMMANDE DE NAVIGATION DESTINE A UN DISPOSITIF A ACCES RADIO AUX RESSOURCES INFORMATIQUES, ET SYSTEME ASSOCIE

Patent Applicant/Assignee:

SECO MOBILE INC, 845 Malcolm Boulevard, Suite 200, Burlingame, CA 94010, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

LAVIN Daniel, 3109 Franklin Street, San Francisco, CA 94123, US, US (Residence), US (Nationality), (Designated only for: US)

WENDT Henriette, 112 Belgrave Road, London SW1V 2BL, GB, GB (Residence), DK (Nationality), (Designated only for: US)

COUSINS Robert, 37 Lyon Close, Maidenbower, Crawley RH10 7ND, GB, GB (Residence), GB (Nationality), (Designated only for: US)

RINI William, 13934 Bora Bora Way #216, Marina del Rey, CA 90292, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

DALEY-WATSON Christopher J (et al) (agent), Perkins Coie LLP, P.O. Box 1247, Seattle, WA 98111-1247, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200180089 A2-A3 20011025 (WO 0180089)

Application: WO 2001US12166 20010412 (PCT/WO US0112166)

Priority Application: GB 20009004 20000413

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11743

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... would be sent to the e-commerce web page requesting to purchase a product. A **retailer** could sell **navigation** control units 120 that contained a user control 122 programmed to purchase, say, the book...

...based on the user's location. The location information can be generated from. a separate **GPS** receiver (either coupled to the navigation control unit 120 or the wireless web access device 110), an integral **GPS** receiver, other

location determining systems based on mobile phone technology and/or triangulation (e.g...is transmitted from the navigation control unit 120, which could be based on an integral **GPS** receiver or other

location-finding device.

In another embodiment, electronic coupon information is transmitted to...units 120. In one embodiment, a partner computer 1020 represents a computer used by a **retailer** that sells or distributes multiple **navigation** control units 120 that are similarly configured. In another embodiment no partner computers 1020 are...

12/3,K/4 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
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00846304 \*\*Image available\*\*  
NAVIGATION CONTROL UNIT FOR A WIRELESS COMPUTER RESOURCE ACCESS DEVICE,  
SUCH AS A WIRELESS WEB CONTENT ACCESS DEVICE  
UNITE DE COMMANDE DE NAVIGATION DESTINEE A UN DISPOSITIF D'ACCES A DES  
RESSOURCES INFORMATIQUES SANS FIL, TEL QU'UN DISPOSITIF D'ACCES AU  
CONTENU WEB SANS FIL

Patent Applicant/Assignee:

SECO MOBILE INC, Suite 200, 845 Malcolm Boulevard, Burlingame, CA 94010,  
US, US (Residence), US (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

LAVIN Daniel, 3109 Franklin Street, San Francisco, CA 94123, US, US  
(Residence), US (Nationality), (Designated only for: US)  
WENDT Henriette, 112 Belgrave Road, London SW1V 2BL, GB, GB (Residence),  
DK (Nationality), (Designated only for: US)  
COUSINS Robert, 37 Lyon Close, Maidenbower, Crawley RH10 7ND, GB, GB  
(Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

DALEY-WATSON Christopher J (et al) (agent), Perkins Coie LLP, P.O. Box  
1247, Seattle, WA 98111-1247, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200179979 A2-A3 20011025 (WO 0179979)  
Application: WO 2001US12168 20010412 (PCT/WO US0112168)  
Priority Application: GB 20009004 20000413

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12471

International Patent Class (v7): G06F-003/023 ...

... G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... sent to an appropriate e-commerce web page requesting

19

purchase of a product. A **retailer** could sell navigation control units 120 that contained a user control 122 programuned to purchase, say, the book...modules for adding additional flmctionality to the navigation control unit. A global

23

positioning system (" **GPS** ") module 1604 provides positioning data that indicates where the navigation control unit is currenfly located...

...possibly together with map' data

retrieved from the Internet 115. Altemative embodiements may omit the **GPS**

module, and instead rely on other location determining methods, such as cell site triangulation, sector...is secured to or carried by an individual. The navigation control unit may include the

**GPS** module to determine the location of the individual, although other embodiements may employ other means...

12/3,K/5 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00846293 \*\*Image available\*\*

NAVIGATION SERVER FOR USE WITH, FOR EXAMPLE, A WIRELESS WEB ACCESS DEVICE

HAVING A NAVIGATION CONTROL UNIT

SERVEUR DE NAVIGATION UTILISE PAR EXEMPLE AVEC UN DISPOSITIF D'ACCES AU WEB  
SANS FIL PRESENTANT UNE UNITE DE COMMANDE DE NAVIGATION

Patent Applicant/Assignee:

SECO MOBILE LTD, 1-3 Sedley Place, Woodstock Street, London W1R 1HH, GB,  
GB (Residence), GB (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

LAVIN Daniel, 3109 Franklin Street, San Francisco, CA 94123, US, US  
(Residence), US (Nationality), (Designated only for: US)

WENDT Henriette, 112 Belgrave Road, London SW1V 2BL, GB, GB (Residence),  
DK (Nationality), (Designated only for: US)

RINI William, 13934 Bora Bora Way #216, Marina del Rey, CA 90292, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

DALEY-WATSON Christopher J (et al) (agent), Perkins Coie LLP, P.O. Box  
1247, Seattle, WA 98111-1247, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200179965 A2-A3 20011025 (WO 0179965)

Application: WO 2001US12165 20010412 (PCT/WO US0112165)

Priority Application: GB 20009004 20000413

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17726

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... would be sent to the e-commerce web page requesting to purchase a product. A **retailer** could sell **navigation** control units 120 that contained a user control 122 programmed to purchase, say, the book... units 120. In one embodiment, a partner computer 1020 represents a computer used by a **retailer** that sells or distributes multiple **navigation** control units 120 that are similarly configured. In another embodiment, no partner computers 1020 are...the navigation control device 120 is connected with a location. fmding device such as a **GPS** receiver, the precise location of a user' can be known. A restaurant chain such as ...

12/3,K/6 (Item 5 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00736195 \*\*Image available\*\*

MOBILE INFORMATION SERVICE  
SERVICE D'INFORMATIONS MOBILE

Patent Applicant/Assignee:

TELIA AB, Marbackagatan 11, S-123 86 Farsta, SE, SE (Residence), SE  
(Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

PARASNIS Amalendu, Krongatan 10, S-972 53 Lulea, SE, SE (Residence), SE  
(Nationality), (Designated only for: US)  
ISAKSSON Lars-Ake, Ovagen 28, S-954 35 Gammelstad, SE, SE (Residence), SE  
(Nationality), (Designated only for: US)  
CHRISTIANSSON Jonas, Lingongstigen 185, S-973 33 Lulea, SE, SE  
(Residence), SE (Nationality), (Designated only for: US)  
OKVIST Goran, Hagaplan 7, S-974 41 Lulea, SE, SE (Residence), SE  
(Nationality), (Designated only for: US)

Legal Representative:

PRAGSTEN Rolf, Telia Research AB, Vitsandsgatan 9, S-123 86 Farsta, SE

Patent and Priority Information .(Country, Number, Date):

Patent: WO 200049530 A1 20000824 (WO 0049530)  
Application: WO 2000SE306 20000215 (PCT/WO SE0000306)

Priority Application: SE 99900531 19990217

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

EE LT LV NO US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 6698

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Claims

English Abstract

...into two parts divided window on an ordinary portable computer, which is equipped with a **GPS** -receiver. The accuracy of the position

information is improved by means of differential **GPS** , DGPS. One of the windows shows a map over the area where the user is...

#### French Abstract

...deux parties d'une fenetre affichee sur un ordinateur portable ordinaire, equipe d'un recepteur **GPS** . La precision des informations sur la position est amelioree par le **GPS** differentiel (DGPS). L'une des fenetre affiche une carte de la zone ou se trouve...

#### Detailed Description

... personal information service combines Internet technology, mobile communication, and an ordinary portable computer, with a **GPS** -receiver to a personal mobile information guide.

The information is shown on a window divided...

...well known to utilise systems for geographical positioning, in the first place by utilisation of **GPS** - Such systems are i.a. included in the inventions according to the above indicated documents...

...data from reference stations in order to improve the accuracy at positioning by means of **GPS** .

#### TECHNICAL PROBLEM

At journeys, information about the position is needed. Such position information can be...these virtual objects the user is. Examples of information objects can be restaurants, road works, **navigation** information, cash dispensers, **department stores** , things worth seeing, and traffic interchanges etc.

The user sees the information in a window...

..map database and database over information objects. The terminal contains positioning 35 system (for instance **GPS** ) and data communication (possibly mobile), and processor capacity to handle a browser. The database over...

...is. The only things needed are an ordinary personal computer, a mobile telephone and a **GPS** -receiver of standard type.

The user sets up a personal profile where he/she selects...

...distributed.

Only standard components are needed for the user equipment (telephone (for instance mobile telephone), **GPS** -receiver, ordinary (for instance portable) computer, and access to Internet or a corresponding data network...

...being necessary to make in one place only.

With the information service, data from differential

14/3,K/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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07459644 \*\*Image available\*\*  
NETWORK SYSTEM FOR MARINE APPARATUS

PUB. NO.: 2002-328159 [JP 2002328159 A]  
PUBLISHED: November 15, 2002 (20021115)  
INVENTOR(s): FUJIKAWA TAKUMI  
YOSHIDA YOSHINARI  
MATSUI EIJI  
KONDO MOTOHARU  
KAWAMOTO TAKUMI  
NAKAI RYOICHI  
YAMAGUCHI TAKESHI  
KAITA HIDETOSHI  
NAGANO HIROSHI  
**NISHIDA MASARU**

APPLICANT(s): FURUNO ELECTRIC CO LTD  
APPL. NO.: 2001-132345 [JP 2001132345]  
FILED: April 27, 2001 (20010427)

...INVENTOR(s): YOSHINARI  
MATSUI EIJI  
KONDO MOTOHARU  
KAWAMOTO TAKUMI  
NAKAI RYOICHI  
YAMAGUCHI TAKESHI  
KAITA HIDETOSHI  
NAGANO HIROSHI  
**NISHIDA MASARU**

INTL CLASS: G01S-007/298; G01S-007/04; G06F-001/32 ; G06F-013/00 ;  
G01S-005/14; G01S-013/86; G01S-015/96

#### ABSTRACT

...sensors and positioning devices in the display.

SOLUTION: A radar device core part 2, a GPS core part 7, a fish finder core part 12, and a sonar device core part...

14/3,K/2 (Item 2 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04916851 \*\*Image available\*\*  
SMALL-SIZED ELECTRONIC APPARATUS

PUB. NO.: 07-209451 [JP 7209451 A]  
PUBLISHED: August 11, 1995 (19950811)  
INVENTOR(s): **NISHIDA MASAMI**  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-000705 [JP 94705]  
FILED: January 10, 1994 (19940110)

INVENTOR(s): **NISHIDA MASAMI**  
INTL CLASS: G04G-015/00; G04G-001/00; G04G-013/02; G06F-017/60 ;  
G08G-001/00

#### ABSTRACT

...which is a scheduled place inputted to a schedule. The navigation signal transmitted from a GPS position is received by a GPS antenna 212, and signal-processed by a GPS data processing part 213 to determine the absolute position of a point B which is...

14/3,K/3 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015159468 \*\*Image available\*\*  
WPI Acc No: 2003-219996/200321  
XRPX Acc No: N03-175431

**Onboard equipment network system has core device and display device which exchange detecting signals or positioning signals in addition to command data through network interconnecting display and core device**

Patent Assignee: FURUNO ELECTRIC CO LTD (FURE ); FURUNO DENKI KK (FURE ); FUJIKAWA T (FUJI-I); KAIDA H (KAID-I); KAWAMOTO T (KAWA-I); KONDO M (KOND-I); MATSUI E (MATS-I); NAGANO H (NAGA-I); NAKAI R (NAKA-I); NISHIDA M (NISH-I); YAMAGUCHI T (YAMA-I); YOSHIDA Y (YOSH-I)

Inventor: FUJIKAWA T; KAIDA H; KAWAMOTO T; KONDO M; MATSUI E; NAGANO H; NAKAI R; **NISHIDA M**; YAMAGUCHI T; YOSHIDA Y

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020161511	A1	20021031	US 2002128235	A	20020424	200321 B
GB 2379816	A	20030319	GB 20029363	A	20020424	200321
JP 2002328159	A	20021115	JP 2001132345	A	20010427	200321
GB 2379816	B	20050720	GB 20029363	A	20020424	200547

Priority Applications (No Type Date): JP 2001132345 A 20010427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020161511	A1	27		G01C-021/26	
GB 2379816	A			G01S-007/00	
JP 2002328159	A	17		G01S-007/298	
GB 2379816	B			G01S-007/00	

...Inventor: **NISHIDA M**

Abstract (Basic):

... Onboard equipment network system comprising radar, sonar, echo sounder, **global positioning system** (GPS) receiver, etc...  
...International Patent Class (Additional): G06F-001/32 ...

... G06F-013/00

14/3,K/4 (Item 1 from file: 351)  
DIALOG(R) File 351:Derwent WPI  
(c) 2006 Thomson Derwent. All rts. reserv.

015159468 \*\*Image available\*\*  
WPI Acc No: 2003-219996/200321  
XRPX Acc No: N03-175431

**Onboard equipment network system has core device and display device which exchange detecting signals or positioning signals in addition to command**

data through network interconnecting display and core device  
Patent Assignee: FURUNO ELECTRIC CO LTD (FURE ); FURUNO DENKI KK (FURE );  
FUJIKAWA T (FUJI-I); KAIDA H (KAID-I); KAWAMOTO T (KAWA-I); KONDO M  
(KOND-I); MATSUI E (MATS-I); NAGANO H (NAGA-I); NAKAI R (NAKA-I); NISHIDA  
M (NISH-I); YAMAGUCHI T (YAMA-I); YOSHIDA Y (YOSH-I)

Inventor: FUJIKAWA T; KAIDA H; KAWAMOTO T; KONDO M; MATSUI E; NAGANO H;  
NAKAI R; NISHIDA M ; YAMAGUCHI T; YOSHIDA Y

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020161511	A1	20021031	US 2002128235	A	20020424	200321 B
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JP 2002328159	A	20021115	JP 2001132345	A	20010427	200321
GB 2379816	B	20050720	GB 20029363	A	20020424	200547

Priority Applications (No Type Date): JP 2001132345 A 20010427

Patent Details:

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US 20020161511	A1		27	G01C-021/26	
GB 2379816	A			G01S-007/00	
JP 2002328159	A		17	G01S-007/298	
GB 2379816	B			G01S-007/00	

...Inventor: NISHIDA M

Abstract (Basic):

... Onboard equipment network system comprising radar, sonar, echo  
sounder, global positioning system ( GPS ) receiver, etc...

...International Patent Class (Additional): G06F-001/32 ...

... G06F-013/00

? ds

14/3,K/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2006 JPO & JAPIO. All rts. reserv.

07459644 \*\*Image available\*\*  
NETWORK SYSTEM FOR MARINE APPARATUS

PUB. NO.: 2002-328159 [JP 2002328159 A]  
PUBLISHED: November 15, 2002 (20021115)  
INVENTOR(s): FUJIKAWA TAKUMI  
YOSHIDA YOSHINARI  
MATSUI EIJI  
KONDO MOTOHARU  
KAWAMOTO TAKUMI  
NAKAI RYOICHI  
YAMAGUCHI TAKESHI  
KAITA HIDETOSHI  
NAGANO HIROSHI  
**NISHIDA MASARU**

APPLICANT(s): FURUNO ELECTRIC CO LTD  
APPL. NO.: 2001-132345 [JP 2001132345]  
FILED: April 27, 2001 (20010427)

...INVENTOR(s): YOSHINARI  
MATSUI EIJI  
KONDO MOTOHARU  
KAWAMOTO TAKUMI  
NAKAI RYOICHI  
YAMAGUCHI TAKESHI  
KAITA HIDETOSHI  
NAGANO HIROSHI  
**NISHIDA MASARU**

INTL CLASS: G01S-007/298; G01S-007/04; G06F-001/32 ; G06F-013/00 ;  
G01S-005/14; G01S-013/86; G01S-015/96

#### ABSTRACT

...sensors and positioning devices in the display.

SOLUTION: A radar device core part 2, a GPS core part 7, a fish finder core part 12, and a sonar device core part...

14/3,K/2 (Item 2 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2006 JPO & JAPIO. All rts. reserv.

04916851 \*\*Image available\*\*  
SMALL-SIZED ELECTRONIC APPARATUS

PUB. NO.: 07-209451 [JP 7209451 A]  
PUBLISHED: August 11, 1995 (19950811)  
INVENTOR(s): **NISHIDA MASAMI**  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-000705 [JP 94705]  
FILED: January 10, 1994 (19940110)

INVENTOR(s): **NISHIDA MASAMI**  
INTL CLASS: G04G-015/00; G04G-001/00; G04G-013/02; G06F-017/60 ;  
G08G-001/00

ABSTRACT

...which is a scheduled place inputted to a schedule. The navigation signal transmitted from a GPS position is received by a GPS antenna 212, and signal-processed by a GPS data processing part 213 to determine the absolute position of a point B which is...

14/3,K/3 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015159468 \*\*Image available\*\*  
WPI Acc No: 2003-219996/200321  
XRPX Acc No: N03-175431

**Onboard equipment network system has core device and display device which exchange detecting signals or positioning signals in addition to command data through network interconnecting display and core device**  
Patent Assignee: FURUNO ELECTRIC CO LTD (FURE ); FURUNO DENKI KK (FURE ); FUJIKAWA T (FUJI-I); KAIDA H (KAID-I); KAWAMOTO T (KAWA-I); KONDO M (KOND-I); MATSUI E (MATS-I); NAGANO H (NAGA-I); NAKAI R (NAKA-I); NISHIDA M (NISH-I); YAMAGUCHI T (YAMA-I); YOSHIDA Y (YOSH-I)  
Inventor: FUJIKAWA T; KAIDA H; KAWAMOTO T; KONDO M; MATSUI E; NAGANO H; NAKAI R; **NISHIDA M**; YAMAGUCHI T; YOSHIDA Y

Number of Countries: 003 Number. of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020161511	A1	20021031	US 2002128235	A	20020424	200321 B
GB 2379816	A	20030319	GB 20029363	A	20020424	200321
JP 2002328159	A	20021115	JP 2001132345	A	20010427	200321
GB 2379816	B	20050720	GB 20029363	A	20020424	200547

Priority Applications (No Type Date): JP 2001132345 A 20010427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020161511	A1	27		G01C-021/26	
GB 2379816	A			G01S-007/00	
JP 2002328159	A	17		G01S-007/298	
GB 2379816	B			G01S-007/00	

...Inventor: **NISHIDA M**

Abstract (Basic):

... Onboard equipment network system comprising radar, sonar, echo sounder, **global positioning system (GPS)** receiver, etc...  
...International Patent Class (Additional): G06F-001/32 ...

... G06F-013/00

14/3,K/4 (Item 1 from file: 351)  
DIALOG(R) File 351:Derwent WPI  
(c) 2006 Thomson Derwent. All rts. reserv.

015159468 \*\*Image available\*\*  
WPI Acc No: 2003-219996/200321  
XRPX Acc No: N03-175431

**Onboard equipment network system has core device and display device which exchange detecting signals or positioning signals in addition to command**

data through network interconnecting display and core device  
Patent Assignee: FURUNO ELECTRIC CO LTD (FURE ); FURUNO DENKI KK (FURE );  
FUJIKAWA T (FUJI-I); KAIDA H (KAID-I); KAWAMOTO T (KAWA-I); KONDO M  
(KOND-I); MATSUI E (MATS-I); NAGANO H (NAGA-I); NAKAI R (NAKA-I); NISHIDA  
M (NISH-I); YAMAGUCHI T (YAMA-I); YOSHIDA Y (YOSH-I)

Inventor: FUJIKAWA T; KAIDA H; KAWAMOTO T; KONDO M; MATSUI E; NAGANO H;  
NAKAI R; NISHIDA M ; YAMAGUCHI T; YOSHIDA Y

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020161511	A1	20021031	US 2002128235	A	20020424	200321 B
GB 2379816	A	20030319	GB 20029363	A	20020424	200321
JP 2002328159	A	20021115	JP 2001132345	A	20010427	200321
GB 2379816	B	20050720	GB 20029363	A	20020424	200547

Priority Applications (No Type Date): JP 2001132345 A 20010427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020161511	A1		27	G01C-021/26	
GB 2379816	A			G01S-007/00	
JP 2002328159	A		17	G01S-007/298	
GB 2379816	B			G01S-007/00	

...Inventor: NISHIDA M

Abstract (Basic):

... Onboard equipment network system comprising radar, sonar, echo  
sounder, global positioning system (GPS) receiver, etc...

...International Patent Class (Additional): G06F-001/32 ...

... G06F-013/00

? ds

File 256:TecInfoSource 82-2006/Feb  
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File 2:INSPEC 1898-2006/Mar W1  
(c) 2006 Institution of Electrical Engineers  
File 35:Dissertation Abs Online 1861-2006/Feb  
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File 99:Wilson Appl. Sci & Tech Abs 1983-2006/Feb  
(c) 2006 The HW Wilson Co.  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 474:New York Times Abs 1969-2006/Mar 12  
(c) 2006 The New York Times  
File 475:Wall Street Journal Abs 1973-2006/Mar 10  
(c) 2006 The New York Times

Set	Items	Description
S1	25615	GPS OR GLOBAL()POSITION?()SYSTEM? ?
S2	1836	(WIRELESS OR INFRARED OR RADIATION OR MOBILE) () (TRACK? OR - NAVIGAT?) OR TRACK?() (DEVICE OR DEVICES OR APPARATUS OR TECHN- OLOG?)
S3	113	(DIRECTION? OR NAVIGAT?) (5N) (BAM OR BRICK(1W)MORTAR? OR (R- ETAIL OR DEPARTMENT) ()STORE? ? OR RETAIL?)
S4	11617	(TRAVEL? OR DRIVING OR TRANSPORT?) (5N) (COST OR COSTS OR EX- PENSE?)
S5	830	(DIRECTION? OR ROUTE? ? OR ROUTING) (5N) ((BAM OR BRICK(1W)M- ORTAR? OR (RETAIL OR DEPARTMENT) ()STORE? ? OR SHOP OR SHOPS OR STORE OR STORES OR RETAIL?))
S6	4653	(DRIVING OR TRANSPORTATION?) (5N)COST? ?
S7	987	AU=(NISHIWAKI, T? OR NISHIWAKI T? OR NISHIDA, M? OR NISHIDA M?)
S8	27366	S1 OR S2
S9	2	S8 AND S3
S10	35	S8 AND (S4 OR S5 OR S6)
S11	34	S10 NOT S9
S12	24	S11 NOT PY>2001
S13	21	RD (unique items)
S14	2	S7 AND S8
	?	

*Reviewed*

9/5/1 (Item 1 from file: 256)  
DIALOG(R) File 256:TecInfoSource 82-2006/Feb  
(c) 2006 Info.Sources Inc. All rts. reserv.

02763918 DOCUMENT TYPE: Company

**Pharos Science & Applications Inc (763918)**  
411 Amapola Ave  
Torrance, CA 90501-1478 United States  
TELEPHONE: (310) 212-7088  
FAX: (310) 320-1808  
HOMEPAGE: <http://www.pharosgps.com>  
EMAIL: info@pharosgps.com

RECORD TYPE: Directory

CONTACT: Sales Department

STATUS: Active

Pharos Science and Applications Incorporated, founded in 1998 and based in Torrance, California, develops **Global Positioning System (GPS)** and wireless Internet products. The firm's applications run on Pocket PC PDAs. They support **retail** distribution, street **navigation**, and routing operations. Pharos Science and Applications is known for its Pharos Pocket **GPS** Navigator product line, which encompasses **GPS** receiver, software, map, and cable components. The firm markets its systems online and through standard retail outlets. Pharos Science and Applications engineers have developed technology for NASA space shuttle projects.

SALES: NA

DATE FOUNDED: 1998

PERSONNEL: Oyang, James, President; Oyang, James, Founder; Serafini, Robert, VP Sales; Sill, Richard R, VP Sales; Shires, Christina, Marketing Director

DESCRIPTORS: Navigation Aids

REVISION DATE: 00000000

9/5/2 (Item 1 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

06700808

Retailers, delivery firms use satellite for faster services  
SOUTH KOREA: SATELLITE SYSTEM USED BY RETAILERS

The Korea Herald (XBF) 07 Oct 1998 P.12

Language: ENGLISH

The satellite-based **global positioning system (GPS)** and geographic information system (GIS) has been used by retailers and distributors in South Korea to reduce logistical costs and improve their distribution systems. To manage its delivery services more effectively, Shinsegae Department Store will be operating its **GPS**-based communication network. The firm hopes to cut its distribution costs by 30% with the system as it will be able to access to all its field-service delivery vehicles in real-time. The network will link all of its stores and an affiliated discount retailer, E-Mart. Meanwhile, with the use of the GIS and GSP

systems, a '0123 Network Door-to-Door Delivery Service' has been introduced by Tongin Information and Communications Co. Voice communications, delivery tracing of vehicles and two-way data are possible with the firm's service.

COMPANY: TONGIN INFORMATION & COMMUNICATIONS; SHINSEGAE DEPARTMENT STORE  
PRODUCT: Freight Transport (4002); Department Stores (5311); Wholesale

Trade (5000); Navigation Systems (3662NS);

EVENT: Companies Activities (10);

COUNTRY: Thailand (9THA);

?

13/5/1 (Item 1 from file: 256)  
DIALOG(R) File 256:TecInfoSource 82-2006/Feb  
(c) 2006 Info.Sources Inc. All rts. reserv.

01018295 DOCUMENT TYPE: Product

PRODUCT NAME: StreetPilot 2610 & 2650 (018295)

Garmin Ltd (667021)  
1200 E 151 St  
Olathe, KS 66062 United States  
TELEPHONE: (913) 397-8200

RECORD TYPE: Directory

CONTACT: Sales Department

The StreetPilot 2610 and 2650 devices, offered by Garmin, provide users with automotive navigation features. The products' microprocessors streamline redraw and route calculation operations. A CompactFlash data card slot has map storage options. StreetPilot 2610 and 2650 includes audio and visual navigation instruction features. The systems also include alphanumeric remote control and automated route generation. The 2650 version of the product also includes dead reckoning features, providing users with navigation assistance when **global positioning system (GPS)** reception is lost. The StreetPilot 2610 and 2650 devices can **store** up to 50 **routes**.

DESCRIPTORS: Fleet Operators; **GPS**; Mapping; Navigation Aids

HARDWARE: Proprietary Hardware

OPERATING SYSTEM: Proprietary Operating Environment

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro

POTENTIAL USERS: Drivers, Travelers

PRICE: \$1,166.65--2610; \$1,399.98--2650

REVISION DATE: 20040401

13/5/2 (Item 2 from file: 256)  
DIALOG(R) File 256:TecInfoSource 82-2006/Feb  
(c) 2006 Info.Sources Inc. All rts. reserv.

00142087 DOCUMENT TYPE: Review

PRODUCT NAMES: GPS (830337)

TITLE: Ants Can Successfully Design: GPS Surveying Networks

AUTHOR: Saleh, Hussain Aziz

SOURCE: GPS World, v13 n9 p50(9) Sep 2002

ISSN: 1048-5104

HOMEPAGE: <http://www.gpsworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

The topic is an approach to design of a **global positioning system (GPS)** surveying network that imitates how ants find their food using an

indirect communication procedure. The ACS algorithm, a specific instance of ant colony optimization, has been applied effectively to multiple complex combinatorial optimizations problems (COPs). The COP's purpose is to search and establish the most appropriate a solution for optimization (minimization or maximization) an objective function, which can be cost, accuracy, time, distance, and so on. Among examples of pragmatic COPs are graph coloring, job- shop scheduling, and vehicle routing problems. To design a GPS network as a COP, a set of viable schedules is established. The best, least expensive schedule is then determined. For a large network, metaheuristic methods can provide an optimal or close-to optimal schedule for networks of up to thousands of stations with a suitable level of computing effort. Topics covered are the GPS network problem; metaheuristic techniques, including representation and building of an initial solution, acceptance strategy, and stopping criteria; the ACS algorithm; implementation of the algorithm; computational results; and comparative analysis. Researchers successfully applied the ACS metaheuristic method to the GPS surveying network problems with good results for networks of up to 57 stations.

COMPANY NAME: TecTerms (999999)  
SPECIAL FEATURE: Charts Output Samples Graphs  
DESCRIPTORS: Artificial Intelligence; Goal Seeking; GPS ; Navigation Aids ; Surveying; Technology Research  
REVISION DATE: 20030330

13/5/3 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC  
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08278527 INSPEC Abstract Number: C2002-07-7445-003  
**Title:** Development of automatic vehicle location system  
**Author(s):** Tae Kyung Baek; Yong Eun Shin  
**Journal:** Reports of the Faculty of Science and Engineering, Saga University vol.30, no.2 p.51-6  
**Publisher:** Saga Univ,  
**Publication Date:** Dec. 2001 **Country of Publication:** Japan  
**CODEN:** RFSSDV **ISSN:** 0385-6186  
**SICI:** 0385-6186(200112)30:2L.51:DAVL;1-X  
**Material Identity Number:** H724-2002-001  
**Language:** Japanese **Document Type:** Journal Paper (JP)  
**Treatment:** Applications (A); Practical (P)  
**Abstract:** This study attempts to develop an Automatic Vehicle Location System (AVLS) integrated with the Global Positioning System (GPS), with which one can reduce the cost of transporting freight substantially. The various communication systems and technologies were first compared and evaluated in order to identify the necessary functions and components for developing such an AVLS. The sever system which can integrate the Geographic Information System (GIS) with GPS was also developed. Finally, by defining necessary various hardware components and environments, the desired AVLS was designed and suggested. (7 Refs)  
**Subfile:** C  
**Descriptors:** Global Positioning System ; traffic engineering computing  
**Identifiers:** automatic vehicle location system; global positioning system ; freight transport; communication systems; sever system  
**Class Codes:** C7445 (Traffic engineering computing)  
**Copyright:** 2002, IEE

13/5/4 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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08185914 INSPEC Abstract Number: B2002-03-7230M-012

**Title: Inertial sensor technology trends**

Author(s): Barbour, N.; Schmidt, G.

Author Affiliation: Charles Stark Draper Lab. Inc., Cambridge, MA, USA

Journal: IEEE Sensors Journal vol.1, no.4 p.332-9

Publisher: IEEE,

Publication Date: Dec. 2001 Country of Publication: USA

CODEN: ISJEAZ ISSN: 1530-437X

SICI: 1530-437X(200112)1:4L.332:ISTT;1-T

Material Identity Number: D318-2002-001

U.S. Copyright Clearance Center Code: 1530-437X/01/\$10.00

Document Number: S1530-437X(01)11078-X

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); General, Review (G)

Abstract: This paper presents an overview of how inertial sensor technology is applied in current applications and how it is expected to be applied in nearand far-term applications. The ongoing trends in inertial sensor technology development are discussed, namely interferometric fiber-optic gyros, micro-mechanical gyros and accelerometers, and micro-optical sensors. Micromechanical sensors and improved fiber-optic gyros are expected to replace many of the current systems using ring laser gyroscopes or mechanical sensors. The successful introduction of the new technologies is primarily driven by cost and cost projections for systems using these new technologies are presented. Externally aiding the inertial navigation system (INS) with the **global positioning system (GPS)** has opened up the ability to navigate a wide variety of new large-volume applications, such as guided artillery shells. These new applications are driving the need for extremely low- **cost**, batch-producible sensors. (19 Refs)

Subfile: B

Descriptors: accelerometers; fibre optic gyroscopes; **Global Positioning System**; gyroscopes; inertial navigation; inertial systems; micro-optics; microsensors; optical sensors

Identifiers: inertial sensor technology; interferometric fiber-optic gyros; micro-mechanical gyros; micro-mechanical accelerometers; micro-optical sensors; inertial navigation system; **global positioning system**; guided artillery shell

Class Codes: B7230M (Microsensors); B7320E (Velocity, acceleration and rotation measurement); B7230E (Fibre optic sensors); B6330 (Radionavigation and direction finding); B4145 (Micro-optical devices and technology)

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13/5/5 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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08131994 INSPEC Abstract Number: B2002-02-6330-001, C2002-02-7185-001

**Title: Waste transportation tracking and monitoring service using satellite communications**

Author(s): Muneki, K.; Nakamura, M.

Journal: Fuji Electric Review vol.47, no.3 p.74-8

Publisher: Fuji Electric Co,

Publication Date: 2001 Country of Publication: Japan

CODEN: FUERBV ISSN: 0429-8284

SICI: 0429-8284(2001)47:3L.74:WTTM;1-J

Material Identity Number: F032-2001-004

U.S. Copyright Clearance Center Code: 0429-8284/5 recd

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Speculation is abounding about environmental pollution due to the illegal dumping of industrial waste. In response, the National Police Agency has ordered a strict crackdown on acts that harm the environment as "environmental crimes." A movement toward clarifying waste-emitting companies' responsibility for violations, such as the commissioning of waste-disposal to unauthorized enterprises, is growing in intensity day by day. Meanwhile, the problem of general waste being illegally transported to low-cost trash incineration plants in other municipalities is becoming increasingly serious. The municipality that receives the waste is forced to bear a large amount of the disposal cost, and the result imposes an economic burden on the residents. Moreover, as in the case of deadly poisonous dioxin, serious health and environment problems can also arise. To improve and modernize the waste-disposal industry, NISSCOM Inc. started commercialization of the "Industrial Waste's Electronic Manifest Data Management System" in September 1997. Fuji Electric entered into a business tie-up with NISSCOM Inc. in 1998, and based on the system, developed a new application system. Now, both companies are jointly promoting their environmental information service, "SCM (satellite communications management) Information Service", which utilizes the new system. This paper introduces that service.

Subfile: B C

Descriptors: Global Positioning System ; information systems; monitoring; satellite communication; transportation; waste disposal

Identifiers: waste transportation tracking; waste transportation monitoring; satellite communications; environmental pollution; industrial waste illegal dumping; National Police Agency; environmental crimes; poisonous dioxin; health problems; environment problems; waste-disposal industry; NISSCOM; Industrial Waste's Electronic Manifest Data Management System; Fuji Electric; satellite communications management; environmental information service; SCM Information Service

Class Codes: B6330 (Radionavigation and direction finding); B0170Q (Environmental factors); B6250G (Satellite communication systems); C7185 (Administration of other service industries)

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13/5/6 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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07896484 INSPEC Abstract Number: C2001-05-7445-024

Title: Testing telematics and in-vehicle information multi-media systems

Author(s): Thompson, S.

Author Affiliation: Nat. Instrum. Corp., Austin, TX, USA

Journal: European Electronics Engineer p.76-7

Publisher: Setform Ltd,

Publication Date: Jan. 2001 Country of Publication: UK

CODEN: EEENF2

Material Identity Number: H138-2001-001

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: With increasing demand and features, manufacturers of telematics systems for automobiles find they must perform increasingly complex manufacturing tests more quickly and more accurately. Creating an affordable test system to meet these needs can be done with existing commercial technology. In this paper we consider the example of the

NAVTEST3000 telematics system that has a combination of the following components: a radio, a graphics display, integrated wireless communication, and GPS /navigation. We assume that test time and system cost are driving concerns. In this case, a combination of GPIB and computer-based instrumentation on a PXI platform is a good fit. (0 Refs)

Subfile: C

Descriptors: automatic testing; driver information systems; multimedia systems

Identifiers: in-vehicle information multimedia system; telematics system; automobile; GPIB interface bus; computerised instrumentation; PXI platform; NAVTEST3000

Class Codes: C7445 (Traffic engineering computing); C6130M (Multimedia); C7410H (Computerised instrumentation)

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13/5/7 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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07859869 INSPEC Abstract Number: B2001-04-8520-038, C2001-04-3360D-023

Title: Energy optimised driving style management using a satellite-based train positioning platform

Author(s): Winter, J.; Gu, X.; Schmidt, M.

Author Affiliation: Daimler Chrysler Rail Syst. GmbH, Germany

Conference Title: Computers in Railways VII. Seventh International Conference on Computers in Railways. COMPRAIL 2000 p.1301-7

Editor(s): Allan, J.; Hill, R.J.; Brebbia, C.A.; Sciutto, G.; Sone, S.

Publisher: WIT Press, Southampton, UK

Publication Date: 2000 Country of Publication: UK 1307 pp.

ISBN: 1 85312 826 0 Material Identity Number: XX-2001-00342

Conference Title: Computers in Railways VII. Seventh International Conference on Computers in Railways. COMPRAIL 2000

Conference Date: 2000 Conference Location: Bologna, Italy

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: European rail-based traffic is currently in a state of radical change and technical innovations are opening up more and more new opportunities for rail transport improvement. Based on the Global Positioning System (GPS), the train positioning system OPTIVIA developed by Daimler Chrysler Rail Systems (Signal) GmbH combines data from a variety of sources and provides accurate and reliable position data which can be used to optimise the transport process without a cost intensive infrastructure. The paper presents the principle and the performance of the GPS -based train positioning system. The system uses data collected from the GPS receiver, odometer and route database to achieve required positioning accuracy and availability. Although the sensors used have both strength and weaknesses, by combining the complementary strengths of the sensors, the train positioning system is able to determine accurate and reliable speed and position data. For example, odometer data can be calibrated from the available accurate GPS positioning data. Conversely the calibrated odometer data can provide reliable positioning when GPS positioning is not available during signal shadowing phases. With the integrated positioning data, the actual track related data (ramp, curve, speed limit, stopping point, tunnel, etc.) can be extracted from the route data base. As an useful application for satellite based train positioning system the energy optimised driving style manager is presented here. Depending on track condition, load situation and time table, energy can be optimised by controlling tractive force, regenerative braking and energy storage. This system is scheduled to be tested on the Adtranz ICN (Swiss

intercity tilting train) in 2000. (5 Refs)

Subfile: B C  
Descriptors: Global Positioning System ; locomotives; transport control  
Identifiers: energy optimised driving style management; satellite-based train positioning platform; European rail-based traffic; Global Positioning System ; OPTIVIA; cost intensive infrastructure; GPS -based train positioning system; positioning accuracy; load situation; tractive force; regenerative braking; energy storage; Swiss intercity tilting train; Adtranz ICN  
Class Codes: B8520 (Transportation); B6330 (Radionavigation and direction finding); C3360D (Rail-traffic system control)  
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13/5/8 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC  
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

07828436 INSPEC Abstract Number: B2001-03-7950-005, C2001-03-3375-002  
Title: Low cost guidance for the Multiple Launch Rocket System (MLRS) artillery rocket

Author(s): Gamble, A.E.; Jenkins, P.N.  
Author Affiliation: Aviation & Missile Res., Dev., & Eng. Center, US Army Aviation & Missile Command, Redstone Arsenal, AL, USA  
Journal: IEEE Aerospace and Electronic Systems Magazine vol.16, no.1 p.33-9  
Publisher: IEEE,  
Publication Date: Jan. 2001 Country of Publication: USA  
CODEN: IESMEA ISSN: 0885-8985  
SICI: 0885-8985(200101)16:1L.33:CGML;1-G  
Material Identity Number: G333-2001-001  
U.S. Copyright Clearance Center Code: 0885-8985/2001/\$10.00  
Language: English Document Type: Journal Paper (JP)  
Treatment: Practical (P)

Abstract: The US Army Aviation and Missile Command has demonstrated the application of advanced technology to significantly improve the accuracy and range of the Multiple Launch Rocket System (MLRS) through the Guided MLRS Advanced Technology Demonstration (ATD). The addition of a cost-effective guidance and control package to the rocket results in a weapon system that can defeat the target at ranges up to 70 km with significantly fewer rounds. This not only increases the destructive capability of the system but also reduces the cost of the expended ammunition, the cost to transport the ammunition to the combat zone, and the number of launchers required to execute the mission. The guidance kit is housed in the nose of the MLRS and consists of an Inertial Measurement Unit (IMU), four independent electromechanically actuated canards, a GPS receiver, GPS antennas, a thermal battery, a guidance computer, and power supply electronics. Roll decoupling of the warhead and motor section was required to allow roll control of the guidance section to enable accurate inertial navigation and was accomplished by joining the two sections with a roll bearing. Five flight missiles were built and tested during the ATD. A tightly coupled eight channel GPS receiver was flown on all flights. This paper discusses the ATD development effort and presents flight test results. (0 Refs)

Subfile: B C  
Descriptors: attitude control; command and control systems; Global Positioning System ; inertial navigation; missile guidance  
Identifiers: low cost guidance; multiple launch rocket system; artillery rocket; cost-effective guidance and control package; weapon system;

inertial measurement unit; electromechanically actuated canards; GPS receiver; GPS antennas; thermal battery; guidance computer; power supply electronics; roll decoupling; roll control; inertial navigation; roll bearing; flight missiles; flight test; flight software; Kalman filter

Class Codes: B7950 (Military radar and tracking systems); B6330 (Radionavigation and direction finding); C3375 (Military control systems); C3360L (Aerospace control); C7150 (Military computing)

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13/5/9 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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07094098 INSPEC Abstract Number: B9901-8520-015, C9901-3360B-007

Title: Urban fleet monitoring with GPS and GLONASS

Author(s): Tsakiri, M.; Stewart, M.; Forward, T.; Sandison, D.; Walker, J.

Author Affiliation: Curtin Univ. of Technol., Perth, WA, Australia

Journal: Journal of Navigation vol.51, no.3 p.382-93

Publisher: Cambridge University Press for R. Inst. Navigation at R. Geogr. Soc,

Publication Date: Sept. 1998 Country of Publication: UK

CODEN: JONVAL ISSN: 0373-4633

SICI: 0373-4633(199809)51:3L.382:UFMW;1-8

Material Identity Number: J295-98003

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: The increasing volume of traffic in urban areas has resulted in a steady growth of the mean driving time on fixed routes. Longer driving times lead to significantly higher **transportation costs**, particularly for vehicle fleets, where efficiency in the distribution of their transport tasks is important in staying competitive in the market. For bus fleets, the optimal control and command of the vehicles is, as well as the economic requirements, a basic function of their general mission. The **Global Positioning System (GPS)** allows reliable and accurate positioning of public transport vehicles except within the physical limitations imposed by a built-up city "urban canyons". With a view to the next generation of satellite positioning systems for public transport fleet management, this paper highlights the limitations imposed on current **GPS** systems operating in the urban canyon. The capabilities of a future positioning system operating in this type of environment are discussed. It is suggested that such a system could comprise receivers capable of integrating the **Global Positioning System (GPS)** and the Russian equivalent, the Global Navigation Satellite System (GLONASS), and relatively cheap dead-reckoning sensors. (10 Refs)

Subfile: B C

Descriptors: computerised monitoring; **Global Positioning System**; road traffic; satellite navigation; technological forecasting; traffic control

Identifiers: urban fleet monitoring; **GPS**; GLONASS; urban area traffic; fixed route driving time; **transportation costs**; vehicle fleets; bus fleets; optimal vehicle control; **Global Positioning System**; public transport vehicle positioning; satellite positioning systems; public transport fleet management; urban canyon; Global Navigation Satellite System; **GPS /GLONASS integration**; dead-reckoning sensors; future positioning systems

Class Codes: B8520 (Transportation); B6250G (Satellite communication systems); B6330 (Radionavigation and direction finding); C3360B (Road-traffic system control); C7445 (Traffic engineering computing)

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13/5/10 (Item 8 from file: 2)

DIALOG(R) File 2:INSPEC

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06435873 INSPEC Abstract Number: B9701-7990-007, C9701-3375-004

Title: **Transportable range augmentation and control systems for multiple shot engagements**

Author(s): Glenn, T.; Chavez, T.; Toole, M.T.; Markwardt, J.  
Conference Title: ITC/USA/'95. International Telemetering Conference.

Theme: 'Re-Engineering Telemetry' p.1-5

Publisher: ISA, Research Triangle, NC, USA

Publication Date: 1995 Country of Publication: USA xix+783 pp.

Material Identity Number: XX95-02167

Conference Title: Proceedings of 1995 International Telemetry Conference  
(Re-Engineering Telemetry)

Conference Sponsor: Int. Found. Telemetering

Conference Date: 30 Oct.-2 Nov. 1995 Conference Location: Las Vegas,  
NV, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The Ballistic Missile Defense Organization (BMDO) is developing new Theater Missile Defense (TMD) weapon systems to defend against the rapidly expanding ballistic missile threat. The tactical ballistic missile threats include systems with range capabilities greater than 1000 kilometers. The development and testing of systems such as the Patriot Advanced Capability 3 (PAC-3), the Theater High Altitude Area Defense (THAAD), Navy Area Defense, and the System Integration Tests (SIT) to address the interoperability of this family of systems, requires the development of the Transportable Range Augmentation and Control System for Multiple Shot Engagements (TRACS-MSE). Congress has mandated that these systems be tested in multiple simultaneous engagements. Potential range locations include White Sands Missile Range (WSMR), Kwajalein Missile Range (KMR), the Pacific Missile Range Facility (PMRF) and the Gulf Range at Eglin Air Force Base. Due to the long distances separating the target launch site and the interceptor site, the TRACS-MSE will be required at multiple sites for each range used. To be cost effective, transportable systems should be developed to augment existing capabilities. Advances in **Global Positioning System (GPS)** technology and high data rate receivers make telemetry based solutions attractive. This article addresses the requirements for range safety, for Time, Space, Position Information (TSPI) collection and processing requirements to support a TRACS-MSE capability. (5 Refs)

Subfile: B C

Descriptors: **Global Positioning System**; military communication; military systems; missile control; safety; telemetry; test facilities

Identifiers: multiple shot engagements; transportable range augmentation; Ballistic Missile Defense Organization; Theater Missile Defense; weapon systems; ballistic missile threat; testing; Patriot Advanced Capability 3; Navy Area Defense; System Integration Tests; multiple simultaneous engagements; White Sands Missile Range; Kwajalein Missile Range; Pacific Missile Range Facility; Gulf Range; Eglin Air Force Base; **Global Positioning System**; telemetry; range safety; Time Space Position Information; 1000 km

Class Codes: B7990 (Other military topics); B6330 (Radionavigation and direction finding); B6250G (Satellite relay systems); B7930 (Military communications); B6210J (Telemetry); B7210F (Telemetering systems); B0160 (Plant engineering, maintenance and safety); C3375 (Military control systems); C3250 (Telecontrol and telemetering components)

Numerical Indexing: distance 1.0E+06 m  
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13/5/11 (Item 9 from file: 2)  
DIALOG(R)File 2:INSPEC  
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06323017 INSPEC Abstract Number: B9608-6320-029  
**Title: The design considerations and realisation of low cost 77 GHz radar sensors for vehicle applications**

Author(s): Lowbridge, P.L.  
Author Affiliation: GEC Plessey Semicond., Lincoln, UK  
Conference Title: Microwaves and RF Conference Proceedings p.123  
Publisher: Nexus Media, Swanley, UK  
Publication Date: 1995 Country of Publication: UK xi+233 pp.  
Material Identity Number: XX95-02697  
Conference Title: MR 95. Microwaves and RF  
Conference Sponsor: IEE; IEEE  
Conference Date: 10-12 Oct. 1995 Conference Location: London, UK  
Language: English Document Type: Conference Paper (PA)  
Treatment: Applications (A); Practical (P)  
Abstract: Summary form only given, as follows. The paper addresses the issues concerned with the selection of the system configuration, and the key performance metrics, to realise a low cost 77 GHz sensor for applications such as autonomous intelligent cruise control (AICC) and collision warning (CW) systems for road vehicles. The paper briefly assesses the advantages and disadvantages of different radar modulation schemes, and explains the decision to use FMCW for the prototype manufactured by GPS . The comparison between the relative benefits of each type of system also includes a cost benefit analysis. The key driving point for the success of these AICC and CW systems is in the realisation of an acceptably good product at the right price. The cost drivers are clearly identified and the steps being taken to achieve the target costs are defined. One major cost impact could be the potential availability of GaAs MMICs. This paper looks at the implications of this, and looks at the projected performance and cost tradeoffs. Finally the paper describes the performance of the 77 GHz sensors currently being made at GPS , and how this performance will be maintained whilst reducing the manufacturing cost to a level acceptable for the motor industry. (0 Refs)

Subfile: B  
Descriptors: automotive electronics; cost-benefit analysis; CW radar; FM radar; millimetre wave detectors; radar applications; radar equipment  
Identifiers: low cost radar sensors; vehicle applications; MM-wave radar; autonomous intelligent cruise control; collision warning; road vehicles; radar modulation schemes; FMCW format; cost benefit analysis; GaAs MMICs; EHF; 77 GHz; GaAs  
Class Codes: B6320 (Radar equipment, systems and applications); B8520B (Automobile electronics); B7230 (Sensing devices and transducers)

Chemical Indexing:

GaAs int - As int - Ga int - GaAs bin - As bin - Ga bin (Elements - 2)

Numerical Indexing: frequency 7.7E+10 Hz

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13/5/12 (Item 10 from file: 2)  
DIALOG(R)File 2:INSPEC  
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05731183 INSPEC Abstract Number: B9409-7950-007, C9409-7410F-043  
**Title: The Army GPS Truth Data Acquisition, Recording, and Display**

**System (TDARDS) at the White Sands Missile Range (WSMR)**

Author(s): Gilkey, J.Y.; Galijan, R.C.; Palomino, A.

Author Affiliation: SRI Int., Menlo Park, CA, USA

p.134-44

Publisher: IEEE, New York, NY, USA

Publication Date: 1994 Country of Publication: USA 852 pp.

ISBN: 0 7803 1435 2

U.S. Copyright Clearance Center Code: 0 7803 1435 2/94/\$3.00

Conference Title: Proceedings of 1994 IEEE Position, Location and Navigation Symposium - PLANS'94

Conference Sponsor: IEEE Aerosp. & Electron. Syst. Soc

Conference Date: 11-15 April 1994 Conference Location: Las Vegas, NV, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The Army **GPS** Truth Data Acquisition, Recording, and Display System (TDARDS) at the White Sands Missile Range (WSMR) is a compact, lightweight, low-cost, and easily transportable or mobile **GPS**-based tracking system that uses up-to-date **GPS**, radio datalink, and computer technology to provide highly accurate, real-time time-space position information (TSPI) on up to ten test objects, such as ground vehicles, helicopters, and fixed-wing aircraft. The system is highly modular, built with commercial off-the-shelf (COTS) hardware, and easily modifiable to meet any special needs of individual testing and tracking applications. The paper (1) describes the system architecture and components of TDARDS and how system capabilities mesh with and enhance other test and evaluation (T&E) capabilities at WSMR, (2) discusses compatibility and expandability with Range Applications Joint Program Office (RAJPO)-developed equipment--especially the coarse acquisition (C/A) code receiver (CACR)--and (3) presents a few representative system and laboratory test results. (3 Refs)

Subfile: B C

Descriptors: computerised instrumentation; data acquisition; data recording; display instrumentation; military computing; military equipment; mobile radio systems; radionavigation; satellite relay systems; telecommunications computing

Identifiers: Army **GPS** Truth Data Acquisition Recording and Display System; TDARDS; White Sands Missile Range; **GPS**-based tracking system; radio datalink; computer technology; real-time time-space position information; TSPI; ground vehicles; helicopters; fixed-wing aircraft; test objects; test and evaluation capabilities; Range Applications Joint Program Office; RAJPO; coarse acquisition code receiver; CACR

Class Codes: B7950 (Radar and tracking systems); B7210G (Data acquisition systems); B6250G (Satellite relay systems); B6330 (Radionavigation and direction finding); B6250F (Mobile radio systems); B7930 (Military communications); C7410F (Communications); C7150 (Military); C5520 (Data acquisition equipment and techniques); C7410H (Instrumentation)

13/5/13 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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03904049 INSPEC Abstract Number: B87041052

Title: NAVSTAR Global Positioning System Collins User Equipment: an evolutionary assessment

Author(s): Hudak, G.J.

Author Affiliation: Collins Gov. Avionics Div., Cedar Rapids, IA, USA

Journal: Navigation. Journal of the Institute of Navigation vol.33,

no.1 p.1-19

Publication Date: Spring 1986 Country of Publication: USA

CODEN: NAVIB3 ISSN: 0028-1522

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Describes the evolution of Collins **GPS** receiver architecture as it has matured from Phase I. The growth in functional capabilities required of the receiver over the course of the **GPS** program has necessitated the development of various processes and techniques to ensure that User Equipment (UE) could be produced at low cost while meeting the imposed performance requirements. The results of Life Cycle Cost (LCC) trade studies became the **driving** force in determining receiver architecture as the receiver design progressed from Phase I. (3 Refs)

Subfile: B

Descriptors: marine systems; radionavigation; satellite relay systems

Identifiers: radionavigation; satellites; NAVSTAR **Global Positioning System**; Collins User Equipment; **GPS**; Life Cycle Cost; receiver architecture

Class Codes: B6250G (Satellite relay systems); B6330 (Radionavigation and direction finding)

13/5/14 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01589059 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.  
NAVIGATION AND MOBILE TELECOMMUNICATIONS TECHNOLOGIES FOR EUROPEAN ROAD  
FREIGHT OPERATIONS IN THE LATE 1990S

Author: WILFONG, ROBERT GEORGE

Degree: PH.D.

Year: 1996

Corporate Source/Institution: TECHNISCHE UNIVERSITEIT TE DELFT (THE  
NETHERLANDS) (0951)

Source: VOLUME 58/03-C OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1100. 225 PAGES

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL ; TRANSPORTATION

Descriptor Codes: 0544; 0709

ISBN: 90-407-1376-6

Publisher: DELFT UNIVERSITY PRESS, STEVINWEG 1, 2628 CN DELFT, THE  
NETHERLANDS

The primary focus is on the integration of navigation and mobile telecommunications technologies into a minimum cost, general purpose system for small long-haul trucking companies. An assessment of the commercial viability of such a system is made based on a top level parametric analysis of potential commercial benefits.

Existing and proposed terrestrial and satellite technologies are identified and analysed in relation to transport carrier needs as defined in European Union studies. Eight integrated design options are developed and evaluated. Two of the eight are recommended--one for use within the GSM cellular phone coverage area and the other for use throughout Europe, including areas not covered by GSM. **GPS**, GLONASS and Loran-C radionavigation systems and on-board map matching are considered for route guidance and position reporting. Eutel Tracs and proposed Low Earth Orbit (LEO) satellites are considered for position determination. Mobile telecommunication capabilities of GSM, Eutel Tracs, Inmarsat-C satellite cellular systems and LEO messaging systems are included for consideration. For European wide long-haul trucking, it is recommended that GSM, **GPS**, LEO two-way messaging and small portable PC may be used to provide a

flexible, low cost solution.

Increases in operating efficiency are translated into potential transport carrier cost savings and increased revenues. These and other commercial benefits are compared to technology costs.

13/5/15 (Item 1 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)

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09564158

La mZtropole grenobloise lance un plan/

FRANCE: GRENOBLE'S URBAN TRAVEL PLAN

Les Echos (LE) 16 Jul 2001 p.7

Language: FRENCH

The urban travel plan for the Grenoble conurbation, which was designed to reduce automobile traffic, is to install 300 kilometres of cycle paths, for FFr 200mn, a dozen parking lots on the outskirts of the city, and a third tramway line of 11 kilometres for FFr 2.2bn. The construction of this line, which is scheduled to go into service in 2005, will obtain its eminent domain status declaration at the end of 2001. On 13 July 2001, the elected officials of Grenoble Alpes Metropole voted in favour of launching the north ring road, which is also part of the urban travel plan. The cost of this operation will vary from FFr 2bn to FFr 4bn depending on the options and the gauge of the 6-kilometre tunnel which is to be built. In 2005, automobile drivers in the conurbation are to have a global positioning system in 2005 which will provide them with traffic information in real time.

PRODUCT: Transportation (4000); Economic Programmes (9108); Highways & Streets Constructn (1611);

EVENT: Plant/Facilities/Equipment (44); Capital Expenditure (43);

COUNTRY: France (4FRA);

13/5/16 (Item 2 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)

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09306898

Europa komplett erfasst

GERMANY: ROUTE 66 EUROPA FROM KOCH MEDIA

Nordsee Zeitung (XHS) 03 Jun 2000 p.6A

Language: GERMAN

"Route 66 Europa" by Koch Media is rated a very good route planner with excellent features. In the "Route Deutschland" edition e.g. data on traffic jams is downloaded via the internet. The "Route 66 Europe" software can even be linked with GPS. "Route 66 Europe" retails for DM 49.

COMPANY: KOCH MEDIA

PRODUCT: Communications Eqp ex Tel (3662); Computers & Auxiliary Equip (3573); Geographical Information Systems Software (7372GI);

EVENT: Product Design & Development (33);

COUNTRY: Germany (4GER);

13/5/17 (Item 3 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)

Sylvia Keys

13-Mar-06 05:14 PM

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09192030

Trucks online load on big savings

AUSTRALIA: TRUCKING FIRMS NOT GOING ONLINE YET  
The Australian Financial Review (AFR) 02 Sep 1999 p.32  
Language: ENGLISH

According to the report, Trucks Online, only 50% of the road transport industry was linked to the Internet and of which only 10% used barcoding and 2% uses GPS or auto navigation system. 15% of the 50% used the Internet for transactions of goods and services and 59% used electronic mail for communication purposes. Around 17% of the firms had a website and 5% gave webforms for business transactions on the websites. The proprietary systems used by many trucking bodies, the perception that there was no such demand from clients and a lack of documented case studies of cost savings to road transport had all created barriers for the use of e-commerce in the industry.

COMPANY: INTERNET

PRODUCT: Transportation (4000);  
EVENT: General Management Services (26);  
COUNTRY: Australia (9AUS);

13/5/18 (Item 4 from file: 583)  
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06485510

Sharper navigation

JAPAN: SHARP LAUNCHES CAR NAVIGATION SYSTEM  
The Japan Times (XAO) 13 Jun 1997 P.12  
Language: ENGLISH

Japan's Sharp Corp has launched a 7E-GP5W Wide-Screen Car Navigation System featuring a larger screen and a "connectionless autonomous navigation unit" and new differential global positioning system (D- GPS ) for more accuracy in determining a car's location. The increased accuracy is by using FM broadcast signals to supplement GPS satellite data in determining the position of the car. The 7E-GP5W is equipped with a 7-inch monitor to allow screening of more detailed maps and split-screen viewing. It does not need wired connections during installation as it uses self-contained sensors. The new route tracking feature enables users to log the car's route of travel and store it as a new route for creating ones own maps. The navigator is priced at Y 278,000 each. \*

COMPANY: SATELLITE; SHARP

PRODUCT: Motor Vehicles & Parts (3710); Navigation Systems (3662NS);  
EVENT: Product Design & Development (33);  
COUNTRY: Japan (9JPN);

13/5/19 (Item 5 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
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06405072

Patients rewarded as consultants go online

Sylvia Keys

13-Mar-06 05:14 PM

UK: VIDEO-CONFERENCING AID FOR DOCTORS  
The Times (TS) 11 Dec 1996 p.9  
Language: ENGLISH

Saving travel costs and allowing faster diagnosis, a video-conferencing system linking general practitioners (GPs) with medical consultants has been tested by the University of Aberystwyth. Using the Personal Communications Computer (PCC) from Olivetti, the tests found that 74 of 76 diagnoses using both video-conferencing and conventional visits to consultants were in agreement. In addition, 98% of patients were happy to continue using video-conferencing to discuss their case. The tests focused on the diagnosis of skin complaints, with the transmission of high-definition images. This could allow earlier treatment of skin cancer, for which there are around 50,000 new cases per year in the UK.

PRODUCT: Outpatient Care Facilities (8080);  
EVENT: General Management Services (26); Product Design & Development (33);  
COUNTRY: United Kingdom (4UK);

13/5/20 (Item 6 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
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05238602  
Europe drives GPS route  
EEC - BOSCH TO LAUNCH GPS IN-CAR NAVIGATION SYSTEM  
Electronics Weekly (ECW) 29 July 1992 p32  
ISSN: 0013-5224

Bosch will launch Europe's first GPS in-car navigation system in November 1992. The GPS sensor, which picks up signals from various US military satellites, will add under USD1r500 to the total cost of Bosch's current TravelPilot dead-reckoning systems. Bosch is one of a number of European electronics companies and car makers developing inexpensive in-car navigation and security systems, employing GPS technology. Ford and Rover (UK), car makers are already studying the launch of GPS vehicle location, and Philips is planning to have a GPS car navigation system connected to a pan-European traffic information service employing the GSM cellular network, within three years. Philips is one of various companies involved in Socrates, a three year European road traffic informatics project, to establish radio based traffic information services in five cities. Development of GPS for an in-car navigation system is also being carried out by GEC Traffic Systems. JRC (Japan), Rockwell and Trimble have launched GPS sensors priced as low as GBP200. GEC Plessey Semiconductor will launch an integrated GPS chip set in August 1992, which may see GPS sensor prices falling even lower.

COMPANY: BOSCH; FORD; ROVER; PHILIPS; GEC TRAFFIC SYSTEMS; GEC PLESSEY SEMICONDUCTOR

PRODUCT: Automotive Electronics (3694AE); Car Alarm Systems (3662CA); Gallium Arsenide Chips (3674GG);  
EVENT: NEW PRODUCT EXTENSION (33); NEW PRODUCT EXTENSION (33); NEW PRODUCT DEVELOPMENT (33);  
COUNTRY: European Community (4EC);

13/5/21 (Item 1 from file: 474)

DIALOG(R) File 474:New York Times Abs  
(c) 2006 The New York Times. All rts. reserv.

07630974 NYT Sequence Number: 056090980928

**SATELLITES GUIDING INDUSTRIES ON THE MOVE**

Carrier, Jim

New York Times, Col. 1, Pg. 3, Sec. C

Monday September 28 1998

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Thousands of American companies are putting global positioning satellite data to work for such commercial purposes as mapping delivery routes , tracking products from factory to retail shelf and monitoring whereabouts of mobile workers; many businesses now consider GPS technology a utility like the Internet; Commerce Department estimates worldwide GPS equipment sales will reach \$4 billion this year and \$16 billion by 2003; graph; diagram; photo (M)

SPECIAL FEATURES: Diagram; Graph; Photo

COMPANY NAMES: Commerce Department

DESCRIPTORS: Navigation; Industry Profiles; Satellites; Global Positioning System ; Navigation

PERSONAL NAMES: Carrier, Jim

14/3,K/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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07580008 INSPEC Abstract Number: A2000-11-9260-125, B2000-06-5210C-009

Title: A global morphology of gravity wave activity in the stratosphere revealed by the GPS occultation data (GPS /MET)

Author(s): Tsuda, T.; Nishida, M. ; Rocken, C.; Ware, R.H.

Author Affiliation: Radio Atmos. Sci. Center, Kyoto Univ., Japan

Journal: Journal of Geophysical Research vol.105, no.D6 p.7257-73

Publisher: American Geophys. Union,

Publication Date: 27 March 2000 Country of Publication: USA

CODEN: JGREAS ISSN: 0148-0227

SICI: 0148-0227(20000327)105:D6L.7257:GMGW;1-X

Material Identity Number: J047-2000-025

U.S. Copyright Clearance Center Code: 0148-0227/2000/1999JD901005\$09.00

Language: English

Subfile: A B

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Title: A global morphology of gravity wave activity in the stratosphere revealed by the GPS occultation data (GPS /MET)

Author(s): Tsuda, T.; Nishida, M. ; Rocken, C.; Ware, R.H.

Abstract: Using temperature profiles obtained by the GPS /MET (GPS Meteorology) experiment from April 1995 to February 1997, the authors have extracted mesoscale temperature perturbations...

...Identifiers: GPS occultation data...

... GPS /MET...

... GPS Meteorology

14/3,K/2 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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07554950 INSPEC Abstract Number: A2000-10-9260-103

Title: A comparison of gravity wave energy observed by VHF radar and GPS /MET over central North America

Author(s): Nastrom, G.D.; Hansen, A.R.; Tsuda, T.; Nishida, M. ; Ware, R.

Author Affiliation: Dept. of Earth Sci., St. Cloud State Univ., MN, USA  
Journal: Journal of Geophysical Research Conference Title: J. Geophys.

Res. (USA) vol.105, no.D4 p.4685-7

Publisher: American Geophys. Union,

Publication Date: 27 Feb. 2000 Country of Publication: USA

CODEN: JGREAS ISSN: 0148-0227

SICI: 0148-0227(20000227)105:D4L.4685:CGWE;1-M

Material Identity Number: J047-2000-019

U.S. Copyright Clearance Center Code: 0148-0227/2000/1999JD901164\$09.00

Conference Title: European Conference on Atmospheric UV Radiation (ECUV)

Conference Date: 28 June-2 July 1998 Conference Location: Helsinki, Finland

Language: English

Subfile: A

Copyright 2000, IEE

Title: A comparison of gravity wave energy observed by VHF radar and GPS /MET over central North America

Author(s): Nastrom, G.D.; Hansen, A.R.; Tsuda, T.; Nishida, M. ; Ware,

R.

...Abstract: radar at White Sands Missile Range, New Mexico, are compared with potential energies determined using GPS /MET soundings. The monthly mean curves of E<sub>k</sub> and E<sub>p</sub> are...

...Identifiers: GPS MET soundings